



BOROUGH OF NELSON

**ANNUAL
REPORT
of the
Medical Officer of Health
1972**

BOROUGH OF NELSON

ANNUAL REPORT

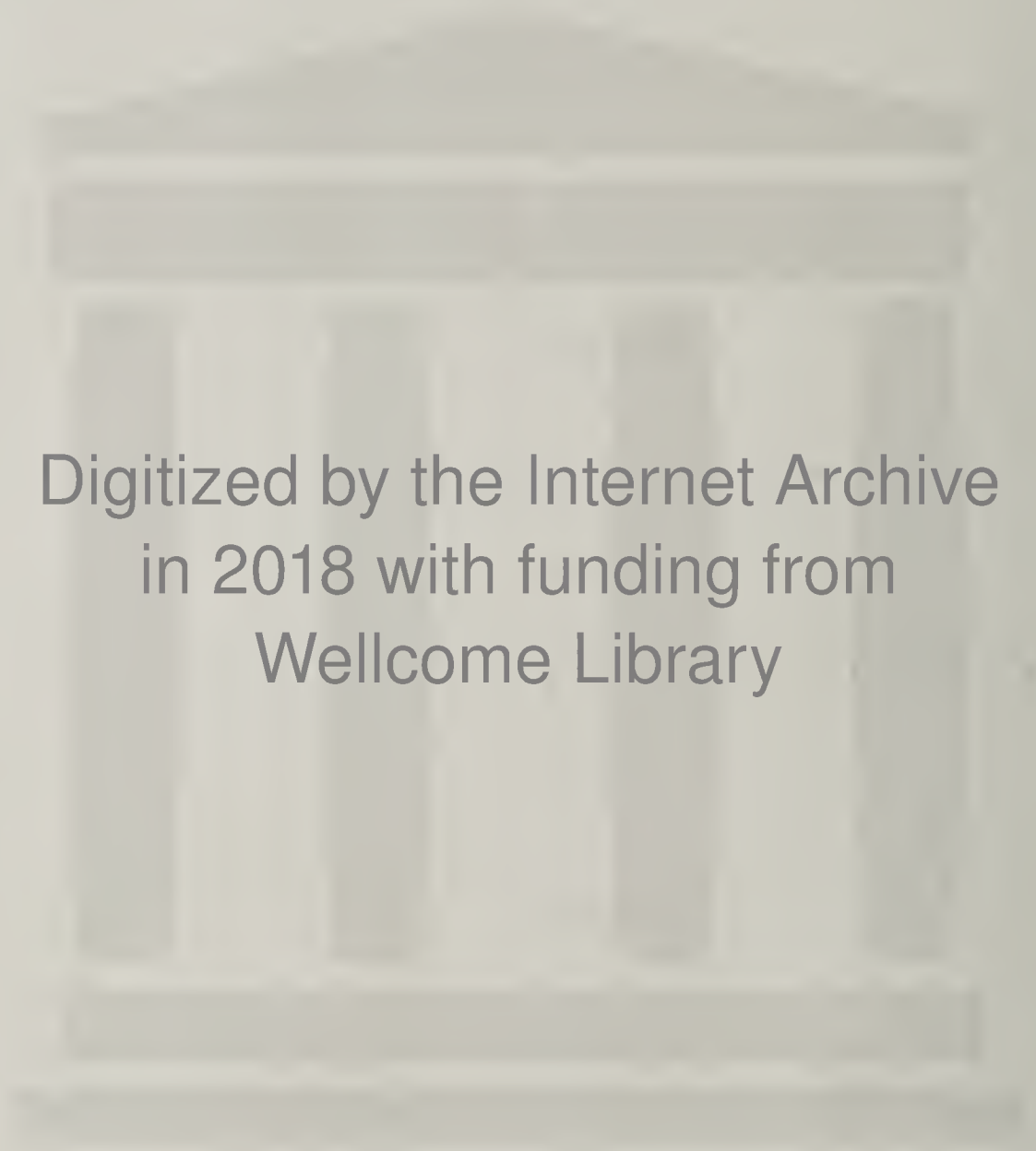
OF THE

MEDICAL OFFICER OF HEALTH

1972

P. G. Holt, M.B., Ch.B., D.P.H., M.F.C.M.,

Medical Officer of Health.



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B O R O U G H O F N E L S O N



H E A L T H C O M M I T T E E



Councillor J. F. Spencer (Chairman)

Councillor J. Greenwood (Vice-Chairman)

The Mayor (Councillor R. Standage) (Ex-officio)

Alderman P. S. Cox

" Mrs. E. Landless

" J. Shepherd

Councillor P. Barnes

" Mrs. E. Cook

" A. Ff. Evans

" G. R. Ingham

" K. McClave

" F. Mansfield

" K. Murray

" R. H. Parsons

" W. Punt

" B. M. Rothwell

" Miss J. Smith

LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED
BY THE COUNCIL

Nelson Water and Gas Act, 1866

Nelson Local Board Act, 1879

Nelson Improvement Act, 1886

Nelson Local Board Act, 1888

Nelson Corporation Act, 1903

Nelson Provisional Orders, 1871, 1873, 1876, 1890, 1895, 1897, 1899, 1904

Borough of Nelson (Extension) Orders, 1897

The Public Health Acts Amendment Act, 1890, adopted 1891

The Infectious Diseases (Prevention) Act, 1890, adopted 1896

The Public Health Acts Amendment Act, 1907, parts adopted 1912

The Nelson Corporation Act, 1921

The Public Health Act, 1925, except Sections 15, 35 and 41

LIST OF BYE-LAWS RELATING TO SANITARY MATTERS
IN FORCE IN THE BOROUGH

Dates of Adoption

1890	Common Lodging Houses
1897	Offensive trades: Blood Boiler, Blood Drier, Bone Boiler, Fellmonger, Tanner, Leather Dresser, Soap Boiler, Tallow Melter, Fat Melter, Tripe Boiler, Glue Maker, Size Maker, Gut Scraper
1897	Nuisances
1897 & 1907	Slaughterhouses
1911	Dairies, Cowsheds and Milkshops Regulations
1931	Sanitary Conveniences
1939	Buildings
1951	Clean Food Bye-laws
1953	Regulating the emission of Black Smoke
1958	Good Rule & Government and Prevention of Nuisances
July 1960	Clean Air Act, 1956 - Section 24 - Bye-laws

STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health	P. G. Holt, M.B., Ch.B., D.P.H., M.F.C.M.
Senior Public Health Inspector	F. Grindrod, M.A.P.H.I.
Deputy Senior Public Health Inspector	H. Farrell, M.A.P.H.I.
Additional Public Health Inspector	J. H. Thompson, M.A.P.H.I., A.R.S.H.
Pupil Public Health Inspector	D. Bailey Commenced 18th September, 1972
Chief Clerk	N. Griffiths
Clerks	Mrs. M. P. Hardwick Mrs. E. Peel
Technical Assistant - Smoke Control (Temporary)	F. Chippendale

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Public Health Department,
21 Carr Road,
NELSON.

6th July, 1973.

To the Chairman and Members of the Health Committee.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report on the Health and Sanitary conditions of the Borough for the year ending 31st December, 1972. The layout follows the usual pattern and the contents include all items requested by the Department of Health and Social Security.

This is the last Annual Report that I shall be presenting to you as members of Nelson Borough Council, as both the Council and the title and position of Medical Officer of Health will be disappearing in a few month's time. We are thus seeing the end of a long line of reports which have faithfully recorded the changing health and social patterns of the local population, and it is because these changes have been consistently for the better that the work of the Medical Officer of Health in his present form is almost done.

We take for granted our supply of clean, safe water, our disposal of sewage and our freedom from serious infectious disease, but it was not always so. A glance at the literature of the last century reveals the appalling conditions in which so many people lived and the epidemics of Cholera and other diseases which ravaged the population; but then the pressures from the early sanitary reformers, the efforts of the pioneer Medical Officers of Health together with advances in medical knowledge, established Public Health on a firm basis culminating in the comprehensive Public Health Act of 1875.

In the century since then, we have added 25 years to the average life span and in the few years since the last war we have virtually eliminated the remainder of the old killing diseases. It is for this reason that the function of the Medical Officer of Health has altered so drastically in recent years and the time has now come for him to retire from the local government scene together with his Annual Reports.

Another piece of history is written.

I would like to thank the Chairman and Members of the Health Committee for their interest and support of the work of the Department during the year, and all members of the Health Department for the efficient and helpful way in which they have carried out their duties.

I have the honour to be, Ladies and
Gentlemen,

Your obedient Servant,

P. G. HOLT,

Medical Officer of Health.

ACKNOWLEDGEMENT

As in former years some information given in this report has been supplied by other corporation departments and also from external sources. This continued co-operation is greatly appreciated and I express my grateful thanks to the following officials for their kindness.

Mr. C. D. Barnes,	Engineer, North Calder Water Board, Nelson
Mr. H. Barton,	Director of Public Cleansing, Nelson
Mr. J. Buckley,	Housing Superintendent, Nelson
Mr. H. L. Carradice,	Borough Treasurer, Nelson
Registrar General,	General Register Office, Somerset House, London, W.C.2
Mr. E. Robinson,	Borough Engineer and Surveyor, Nelson
Dr. C. H. T. Wade,	County Medical Officer of Health, County Offices, Preston
Mr. B. Wood,	Acting Manager, Department of Employment and Productivity, Nelson

S E C T I O N A

S T A T I S T I C S A N D S O C I A L C O N D I T I O N S
O F T H E A R E A

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area in acres	3,446
Ordnance Level, Lowest point	350 feet
Ordnance Level, Highest point	1,100 feet
Ordnance Level, Centre of town	458 feet
Drainage of surface water - Natural, chiefly to Walverden Stream and Pendle Water	
Subsoil - Clay with understratum of sandstone and out-croppings of coal	
Population - Registrar General's estimate of home population mid-year 1972	
	31,360
Census, 1971	31,225
Census, 1961	32,292
Census, 1951	34,384
Houses - Number inhabited at:	
End of 1972, according to Rate Books	12,107
Census, 1961	12,110
Census, 1951	12,162
- Number uninhabited at:	
End of 1972 according to Rate Books	404
Census, 1961	364
Census, 1951	222
Rateable Value at 31st December, 1972	£911,662
General Rate, 1972/73 (p. in the £) -	Dwellinghouses 88p.
	Mixed Hereditaments 93½p.
	Other Hereditaments 98½p.
Sum represented by a penny rate, 1972/73	£8,280

The estimated cost of the Local Health Service for the financial year 1972/73 was £36,940 which is equivalent to a rate of 4.46p. in the £.

The Registrar General's estimate of the home population for mid-1972 was a decrease of 200 on the estimate for the previous year.

SOCIAL AND INDUSTRIAL CONDITIONS

The chief industries are the manufacture of cotton, rayon, silk, surgical dressings, furniture, packing cases and cartons, light engineering and distributive trades.

The high level of unemployment throughout the previous year continued for the first nine months of 1972, but the last quarter was marked by a welcome decline in the numbers of registered unemployed and a large increase in the number of vacancies available. There was very little short-time working.

Unfortunately there were three closures of old established firms notified in December, a bleach manufacturing company, a textile firm, and a small building firm. However, these set-backs were more than compensated for by the commencement of several new firms on the Edward Street Industrial Estate, and the expansion of many existing firms.

The situation, therefore, became very good and it is considered that it should continue so in the foreseeable future.

CLIMATOLOGICAL CONDITIONS

Observations are taken daily at 09.00 hours G.M.T. at the Climatological Station, Walton Lane, Nelson. Comments on the weather conditions and statistical information apertaining thereto are submitted as follows:

January

Day temperatures for the first week were a little short of average but from then until the 27th there were only two days (18th and 20th) when the maximum fell short of average. Night temperature followed a similar pattern. A cold spell commenced on the 28th, there was a drop of over 6°C . (11°F .) in the day temperature with a further drop each day until month end. On the 30th and 31st the day temperature remained below zero centigrade and the night minimum temperatures were -11.6°C . and -9.5°C . respectively. Snow fell during this period. During the month ground frost was recorded 17 nights and air frost 10 nights. The air minimum temperature and the grass minimum temperature on the 31st were the lowest recorded since February 1969. In spite of these facts the mean maximum and mean minimum temperatures for the month were a little above average for January.

Rainfall (total precipitation) was only around 75% of average, but the total bright sunshine recorded was 50% above average.

February

This was a dull, fairly dry month with mean maximum and minimum temperatures very slightly above average.

The first day was very cold but from then until the 19th daily temperatures were around average. The 20th - 22nd inclusive was a somewhat colder spell, but temperatures rose again on the 27th, the maximum was as high as 9.4°C . and the remaining days were mild. In spite of this, night temperatures showed air frost present during 6 nights (1, 2, 3, 10, 12 and 15th) and ground frost during 15 nights (1, 2, 3, 4, 5, 9, 10, 11, 12, 14, 15, 19, 20, 27 and 29th). Snow fell on the first and eighth.

Only 76.4% of average rainfall (total precipitation) was measured but the total bright sunshine was only 65.4% of average.

It was the dullest February since 1966 (excepting 1970 when no figures were available).

March

Up to the 13th the maximum daily temperatures were normal but a rise of over 7°C . occurred on the 14th which commenced a warm spell that lasted until the 25th. During this period there were several very warm sunny days with maximum temperatures from 4° - 9°C . above normal, the highest being on the 19th when the maximum thermometer read 17.0°C . Most of the night temperatures were also above average during this period. A drop of several degrees occurred on the 26th and there were heavy showers and longer periods of rain every day until month end.

Although the first few days of the month were wet, with some snow showers on the 4th, from the 8th until the 24th there were only two days with any rainfall, those being the 9th and 14th. Heavy rain during the last week brought the total for the month to 56% above average for March.

There were many quite sunny days and the total for the month was 21 hours or 24% above average.

The mean day temperature was a little above average but the mean night temperature was normal.

April

The wet period which commenced towards the end of last month continued for the first ten days of April but after that until the end of the month most days were fine, several quite sunny and day temperatures, with three exceptions, were normal. The month was rather wetter than average but the mean maximum and minimum temperatures and the amount of bright sunshine recorded were all around normal.

May

This was a dull, damp and cold month. Rain fell on 21 days, some days towards the end of the month it was quite heavy. The total rainfall was 85% more than average, making it the wettest May since 1968, and with only 72% of average bright sunshine it was the dulllest since 1969.

Although there was ground frost five nights (2nd, 8th, 11th and 18th and 23rd) the mean night temperature was normal, but there were many cold days (temperatures 8° - 10° C. below average) so that the mean day temperature was 3.4° C. below normal for the month making it the coldest May since 1968.

June

June fell far short of its reputation for it was cold, wet and dull.

Both the days and the nights were quite cold, the maximum day temperature never reached average for the month until the last day and the minimum (night) temperature was only average, or a little above, on eight occasions, those being in the period from the 15th to 25th inclusive. The mean maximum and mean minimum temperatures for the month were only 14.2° C. (57.6° F.) and 7.7° C. (45.9° F.) respectively, which were 2.9° C. (5.8° F.) and 1.3° C. (2.4° F.) below average.

Rainfall was recorded on all but four days and some days were quite wet with almost half an inch of rain. The total for the month, 107.9 mm., was 48% above average, making it the wettest June since 1968.

Sunshine was markedly lacking, there were only four really sunny days, the 1st (10.8 hours), 16th (9.9 hours), 28th (12.9 hours) and the 30th (13.3 hours). The total bright sunshine recorded during the month was only 140.9 hours, this being 83% of average for June.

July

The first eleven days were not quite so cool as those at the close of June, and night temperatures were fairly normal. A marked improvement occurred on the 12th, the maximum temperature rose to just above average and this commenced a quite warm period of nine days when the daily temperature rose to nicely over normal most days, in fact on the 20th it was as high as 25.5° C. (around 78° F.). This warm dry spell ended abruptly the following day with a marked drop in temperature and from then until month end the daily temperatures fluctuated around average. The mean maximum and minimum temperatures for the month were average.

Although there were many days with little or no sunshine, there were also ten really sunny warm days, the 5th, 9th, the 15th to the 20th inclusive, and the 26th and 29th. The total bright sunshine for the month (175.8 hours) was, in fact 22% above average, but far fell short of the amount recorded in July last year (228.9 hours).

No rain fell on more than half the days, in fact, the warm period from the 12th to 20th inclusive was completely dry, but the total rainfall for the month was almost 18% above average. Two days really accounted for this, the third when it rained almost all day giving a total of 28.2 mm. (1.11") and the 24th which had many heavy thundery showers giving a total of 36.7 mm. (1.44"). The total for those two days was 54% of the total for the month.

August

Day and night temperatures fluctuated somewhat during the month. Although there were several quite warm days there were as many quite cool, and night temperatures showed a similar pattern. The mean maximum and mean minimum temperature for the month were each around 0.5°C. (1°F.) below average, and it was in fact the coolest August since 1966.

It was, however, quite a bright and dry month. The total bright sunshine recorded was 22% more than average and rainfall was only recorded on twelve days, giving a total of 38.6 mm. (1.52") or 32% of average. It was the driest August since 1959.

September

The first two days were quite warm with day temperatures appreciably above average, but the following day there was quite a drop in the maximum temperature to a subnormal level, and it remained so until the 21st, there being one or two rather cold days in that period, notably the 11th and 12th. The 22nd and 23rd were reasonably warm again being a little above average, but the following day saw another significant drop and the daily temperature remained subnormal by several degrees some days until month end. The mean maximum temperature was 14.5°C. (58.1°F.) that is 4.4°C. (2.6°F.) below average. Night temperatures fluctuated considerably, there were several quite cold nights, particularly the 10th when the air minimum temperature dropped to 1.2°C. A touch of ground frost was recorded two or three nights. The mean minimum temperature was 3.1°C. (5.6°F.) below average and it was the coolest September since 1965.

The month commenced with two very sunny days, and in fact, bright sunshine was recorded on all but two days (12th and 24th). The total for the month was well up to standard, actually 9% above average.

Rainfall was only recorded on 10 days and there was only one really wet day, the 8th, when 25.1 mm. (almost an inch) of rain fell. The total for the month, 42.7 mm. (1.68") was only 41% of average.

Although this was a dry, sunny month it fell short of September last year which had only 27.2 mm. (1.07") of rain and 152.1 hours of bright sunshine.

October

Maximum temperatures were well above average until the 12th (apart from the 6th when it fell to 9.0°C.). Day temperatures then remained average until the 15th, ten rather cool days followed until the 26th when the maximum temperature again rose to above average and remained so until month end. Minimum (night) temperatures fluctuated throughout the month, but there was only one night, the 21st, when air frost was recorded. The mean maximum and minimum temperatures were average for the month.

The dry spell which commenced in the middle of September continued until the 8th of the month. The total amount of rainfall was only 40.9% of average and it was the third successive month with less than 50% of average rainfall. Rainfall was recorded on 12 days, but there were several days when the amount recorded was just a trace. It was the driest October since 1947, when 21.8 mm. of rain was recorded.

Bright sunshine was recorded on 26 days, giving a total of 91.8 hours, which is 18% above the average amount for the month.

November

The first seven days of the month were mild with day temperatures a few degrees above average, but the remainder were generally much cooler. Day temperatures were below average by several degrees many days, and the nights were quite cold. Ground frost was recorded every night from 8th to 19th inclusive and again from the 22nd to 28th inclusive. Four nights during these two periods, the 14th, 17th, 18th and 25th, were very cold, between 6.0°C. and 8.5°C. of ground frost and 2.0°C. - 3.6°C. of air frost being recorded.

Following three months with less than 50% of average rainfall the total this month was almost 54% above average. Rainfall was recorded on all but six days and the average November rainfall was exceeded by the twentieth day. There were three very wet days, the 9th, 12th and 20th, when around one inch of rain was recorded each day. It was the wettest November since 1970.

Although there were fourteen days without any sunshine, mainly covered by a dull period from the 2nd - 7th inclusive and another from the 18th - 21st inclusive, there were four or five quite sunny days, particularly the 15th with 6.0 hours, and the total for the month exceeded average by 23.3%.

December

Although there were 6 or 7 rather cold days and nights, particularly the immediate pre-christmas period, there were also many days with temperatures nicely above average. The mean maximum (day) temperature and also the mean minimum (night) temperature for the month were both a little above average, although it was not quite so mild as the previous December.

There was some rain every day up to the 13th and it was quite heavy on three or four days. However, a dry period followed for the next nine days and there were only one or two damp days during the remainder of the month. The total rainfall of 122.4 mm. was 96.6% of average.

Bright sunshine was recorded on seventeen days and the total of 24.1 hours was almost 142% of average.

The warmest day of the year was 20th July when the maximum temperature in the shade reached 25.5°C., and the coldest day was the 31st January when the minimum shade temperature was -11.6°C. The lowest temperature on the grass was -12.4°C. also on the 31st January.

Bright sunshine was recorded on 284 days and the total was 1179.5 hours, which was 2.2% more than average and gave a mean daily amount of 3.2 hours. The sunniest month was July with a total 175.8 hours and the sunniest day was 17th July with 14.5 hours.

Rainfall, or some form of precipitation, occurred on 213 days and the total measured during the year was 1111.2 mm. (43.75 inches), or 99.5% of average. The wettest day was the 24th July when 36.7 mm. (1.44 inches) was measured, and the wettest month November with 170.4 mm. (6.71 inches). The driest months were October and August with only 38.5 mm. (1.52 inches) and 38.6 mm. (1.52 inches) respectively.

CLIMATOLOGICAL CONDITIONS

THERMOMETER READINGS AND MEAN TEMPERATURES - 1972

Month	In Screen												Mean Range	Mean Temp.	On Grass			In Ground	
	Maximum						Minimum								Mean Min.	Lowest Temp.	Day of Month	Mean Temp.	
	Mean	Highest Temp.	Day of Month	Lowest Max. Temp.	Day of Month	Mean	Highest Temp.	Day of Month	Lowest Min. Temp.	Day of Month									
January	5.2	10.0	11	-1.6	31	1.1	6.3	23	-11.6	31	3.15	4.10	-0.7	-12.4	31	3.9	6.0		
February	5.6	9.4	27	0.8	1	0.9	3.8	17	-9.5	1	3.25	4.70	-0.6	-9.8	1	2.8	4.6		
March	9.2	17.0	19	4.2	4	1.8	5.5	31	-1.0	21	5.50	7.40	-0.4	-5.0	21	5.2	5.5		
April	10.4	13.5	17	7.3	22	3.9	8.2	2	-0.4	21,22	7.15	6.50	1.8	-4.8	21	7.6	7.0		
May	13.0	17.0	20	8.3	13	6.1	10.4	22	2.4	18	9.55	6.90	4.3	-1.5	2	9.8	8.6		
June	14.2	17.7	30	11.6	18	7.7	11.4	25	4.3	14	10.95	6.50	5.5	-0.4	14	11.8	10.3		
July	18.2	25.5	20	13.8	7	10.5	13.8	23	4.7	12	14.35	7.70	8.2	1.0	12	15.1	12.3		
August	17.5	21.0	12,13,14	14.4	27	10.1	13.3	8	5.6	19	13.80	7.40	7.8	1.0	19	15.2	13.7		
September	14.5	21.4	1	10.7	11,12,24	6.2	11.6	7	1.2	10	10.35	8.30	4.1	-1.6	10	12.2	12.5		
October	12.7	17.6	4	7.4	20	6.2	12.1	9	-0.2	21	9.45	6.50	3.4	-4.1	21	9.9	11.1		
November	7.9	15.1	6	2.4	17	2.8	10.7	3	-4.4	18	5.35	5.10	0.9	-8.5	18	6.4	8.9		
December	7.6	12.2	12	3.4	24	1.8	7.0	14	-3.8	24	4.70	5.80	0.8	-5.5	24	4.6	6.6		

CLIMATOLOGICAL CONDITIONS

BRIGHT SUNSHINE - 1972

Month	Total Bright Sunshine (hours)	Mean Daily Bright Sunshine (hours)	Highest in one day		No. of days with Bright Sunshine	No. of days without Bright Sunshine
			Amount (hours)	Day of month		
January	25.5	0.8	5.5	20	14	17
February	32.2	1.1	5.7	14	18	11
March	110.3	3.6	10.2	24	27	4
April	121.6	4.1	12.5	20	28	2
May	125.0	4.0	10.5	16	29	2
June	140.9	4.7	13.3	30	27	3
July	175.8	5.7	14.5	17	27	4
August	169.9	5.5	11.3	10, 21	27	4
September	115.3	3.8	10.5	1	28	2
October	91.8	3.0	8.7	4	26	5
November	47.1	1.6	6.0	15	16	14
December	24.1	0.8	4.1	19	17	14

CLIMATOLOGICAL CONDITIONS

RAINFALL AND HUMIDITY - 1972

Month	Mean Relative Humidity %	Total Rainfall		Mean Daily Rainfall		Greatest amount in one day			No. of days with rain	No. of days with- out rain
		Inches	Milli- metres	Inches	Milli- metres	Inches	Milli- metres	Day of month		
January	76.5	3.74	94.9	0.12	3.06	0.66	16.7	18	24	7
February	89.0	2.61	66.4	0.09	2.29	0.87	22.1	15	19	10
March	87.0	4.00	101.7	0.13	3.28	0.77	19.5	30	15	16
April	80.0	3.63	92.1	0.12	3.07	0.63	16.1	4	17	13
May	76.0	4.63	117.5	0.15	3.79	0.84	21.3	30	21	10
June	83.0	4.24	107.9	0.14	3.60	0.48	12.1	17	26	4
July	75.0	4.65	118.1	0.15	3.84	1.44	36.7	24	15	16
August	78.0	1.52	38.6	0.05	1.25	0.47	11.9	16	12	19
September	78.0	1.68	42.7	0.05	1.42	0.99	25.1	8	10	20
October	86.0	1.52	38.5	0.05	1.24	0.62	15.8	9	12	19
November	89.0	6.71	170.4	0.22	5.68	1.00	25.5	9	24	6
December	90.0	4.82	122.4	0.16	3.95	0.68	17.4	11	18	13

CLIMATOLOGICAL CONDITIONSRAINFALL

Comparative Table showing amounts measured at various points during 1972 with monthly averages, and during the previous ten years with annual averages.

Month or Year	Ogden Reservoir (Inches)	Sewage Works (Inches)	Coldwell Reservoir (Inches)	Climatological Station (Cemetery) (Inches)
	Height of gauge above sea level			
	909 ft.	360 ft.	961 ft.	540 ft.
January	4.68	3.59	5.16	3.74
February	2.42	2.08	3.56	2.61
March	4.30	3.22	4.53	4.00
April	4.77	2.98	4.05	3.63
May	4.71	3.69	5.05	4.63
June	5.32	3.40	5.79	4.24
July	5.50	4.00	4.73	4.65
August	1.69	1.27	2.32	1.52
September	1.96	1.79	2.29	1.68
October	2.22	1.94	1.74	1.52
November	8.27	6.49	6.51	6.71
December	5.28	4.14	5.76	4.82
Totals	51.12	38.59	51.29	43.75
Monthly Averages	4.26	3.21	4.27	3.65
1962	54.40	41.53	45.03	40.14
1963	49.42	35.63	44.81	39.39
1964	54.35	42.32	48.26	38.63
1965	61.36	46.54	53.35	47.32
1966	64.16	49.03	58.35	50.21
1967	67.88	48.76	61.63	53.05
1968	62.77	44.58	57.50	51.75
1969	48.93	36.13	45.10	Incomplete
1970	61.04	42.82	54.96	record
1971	43.41	31.07	42.17	34.55
Annual Averages	56.77	41.84	51.11	

VITAL STATISTICSLIVE BIRTHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	242	211	453
Illegitimate	17	27	44
	-----	-----	-----
Total	259	238	497
	-----	-----	-----

Illegitimate live births percentage of total live births	8.8%
Live Birth Rate per 1,000 estimated population - Crude	15.8
Adjusted	18.2
Comparability Factor	1.15

STILL BIRTHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	4	2	6
Illegitimate	-	1	1
	-----	-----	-----
Total	4	3	7
	-----	-----	-----

Still Birth Rate per 1,000 total (live and still) births	13.9
Still Birth Rate per 1,000 estimated population	0.22
Still Births as percentage of total births	1.39%

TOTAL LIVE AND STILL BIRTHS:

<u>Males</u>	<u>Females</u>	<u>Total</u>
263	241	504

DEATHS:

<u>Males</u>	<u>Females</u>	<u>Total</u>
246	234	480

Death Rate per 1,000 estimated population - Crude	15.3
Adjusted	13.2
Comparability Factor	0.86

Excess of live births over deaths	17
-----------------------------------	----

INFANT DEATHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Under 1 year of age - Legitimate	7	6	13
Illegitimate	1	-	1
Under 4 weeks of age - Legitimate	2	3	5
Illegitimate	1	-	1
Under 1 week of age - Legitimate	1	3	4
Illegitimate	1	-	1

Infant Mortality Rates

Total infant deaths per 1,000 total live births	28.2
Legitimate infant deaths per 1,000 legitimate live births	28.7
Illegitimate infant deaths per 1,000 illegitimate live births	22.7

Neo-natal Mortality Rate

Deaths under 4 weeks of age per 1,000 live births	12.1
---	------

Early Neo-natal Mortality Rate

Deaths under 1 week of age per 1,000 live births 10.1

Peri-natal Mortality Rate

Still births and deaths under 1 week of age per
1,000 total births 23.8

MATERNAL DEATHS

Maternal deaths (excluding abortion) Nil
Maternal Mortality per 1,000 total (live and still)
births -

COMMENTS ON STATISTICSPopulation

The Registrar General's estimate of the mid-year population in 1972 as 31,360 was a decrease of 200 on the previous year or 0.63%. This somewhat offset the rather large increase of 760 or 2.4% estimated in 1971 which gave the highest estimate since 1963. However, the net decrease since 1963 is only 640 or 2.0%.

For comparison the estimated mid-year population of Health Division No.6 in 1972 was 93,700, an increase of 230 or 0.25% on the previous year. The figures for the constituent authorities therein are as follows:

Increases:	Colne M.B.	10 or 0.05%
	Burnley R.D.	410 or 2.26%
	Brierfield U.D.	100 or 1.32%
	Barrowford U.D.	60 or 1.16%
Decreases:	Nelson M.B.	200 or 0.63%
	Padiham U.D.	120 or 1.17%
	Trawden U.D.	30 or 1.59%

The Burnley C.B. also showed an estimated decrease of 1,370 or 1.80%.

Live Births

The 497 live births registered was a decrease of 8 on the previous year and it was the first time since 1968 that the figure has been less than 500. The average number for the five years 1967-71 was 508 and for 1962-66, 526.

This figure gave a Crude Live Birth Rate of 15.8 per 1000 population, a reduction of 0.2 per 1000 on the 1971 rate. The average rate for the five years 1967-71 was 16.0 per 1000 and for 1962-66 was 16.6 per 1000.

An increase of 0.01 in the comparability factor to 1.15 gave an Adjusted Live Birth Rate of 18.2 per 1000 population. This was the same as in 1971, but was 0.4 and 0.6 per 1000 population respectively less than the mean rates for the five year periods 1967-71 and 1962-66.

The National Live Birth Rate (that is for England and Wales as a whole) was 14.8 per 1000 population, a reduction of 1.2 per 1000 on the rate for the previous year and the smallest since 1941. It was also 3.4 per 1000 less than the Nelson Adjusted Rate, which has exceeded the National Rate for the twelfth successive year by from 0.2 to 4.1 per 1000 or an average of 1.5.

The marked improvement in the number of illegitimate births registered in 1971 whereby there were only 24 or 4.7% of the total live births, did not continue into 1972 which had a total of 44 or 8.8% of the total live births. The average for the previous quinquennial period was 48. An increase in the Illegitimate Live Birth Rates brought the figures to 1.40 per 1000 population and 88.5 per 1000 live births.

Only 22 or 4.4% of the total live births occurred in the borough so that 95.6% were inward transferable, an increase of 2.7% on the figure in 1971. This trend over recent years is shown as follows:

<u>Year</u>	<u>% of Inward Transferable Live Births</u>
1966	37.1%
1967	37.3%
1968	42.0%
1969	81.6%
1970	91.9%
1971	92.9%
1972	95.6%

Still Births

Although there were 4 more still births registered than in the previous year the total of 7 was average over recent years and gave Still Birth Rates of 13.9 per 1000 total births and 0.22 per 1000 population which exceed the National Still Birth Rates by 2.0 per 1000 total births and 0.04 per 1000 population.

Deaths

Three more deaths were registered than in the previous year making a total of 480. The annual average for the previous five years being 484.

The Crude Death Rate was 15.3 per 1000 population or 0.2 per 1000 higher than the 1971 death rate but 0.2 per 1000 less than the average for the previous five years.

A reduction of 0.02 in the Comparability Factor, making it 0.86, gave an Adjusted Death Rate of 13.2 per 1000 population, this being 0.1 less than the 1971 rate and the smallest figure since 1967.

The Nelson Adjusted Death Rate is normally in excess of the National Death Rate, exceeding over 4.0 per 1000 on odd occasions, but the difference this year is only 1.1 per 1000 population which is the smallest excess since 1952. The difference in 1971 was 1.7 per 1000.

For local comparison these death rates and other rates for the authorities within Health Division No.6 are shown in the Table on page 34.

Circulatory Diseases as a group accounted for 252 or 52.5% of the total deaths giving a death rate of 8.03 per 1000 population compared with 262 deaths or 54.7% and a death rate of 8.30 per 1000 in 1971.

Looking at the individual causes of death ischaemic heart disease with a total of 123 deaths or 25.6% of the total deaths and a death rate of 3.92 per 1000 population was the main cause. This was an improvement on the previous year when the figures were 135 deaths or 28.3% of the total deaths and a death rate 4.27 per 1000 population. Cerebrovascular disease was the next main cause of death with a total of 71 deaths or 14.8% of the total and a death rate of 2.26 per 1000, similar figures to those of the previous year.

There was a reduction in the number of deaths from the various forms of cancer the total being 73, 13 fewer than in the previous year and the smallest number since 1968. These were 15.2% of the total deaths and gave a death rate from this cause of 2.32 per 1000 population. This was 0.40 per 1000 less than in 1971 and 0.42 less than the average rate over the period 1968-1972 inclusive.

Summaries of the ages at death in 1972 and in previous years are given in the Tables on pages 41 and 42. The highest percentages were in the age groups 70-74 years and 75-79 years with 17.29% and 16.67% respectively. This, of course, is in accordance with the general pattern. It will, however, be seen that whereas in 1925 deaths of persons over the age of 65 years were 36.6% of the total, the percentage for well over a decade has been double that figure.

An increase again, in this case of 0.3%, in the number of residents who died outside the borough made this 53.5% of the total deaths allocated to Nelson, a proportion which is gradually increasing.

Furthermore, almost all these deaths occurred in hospitals or nursing homes, etc., in this case 97.2% or rather more than average.

Of the total 480 deaths assigned to Nelson in 1972, as many as 59.4% died in hospitals or nursing homes, etc., usually in the Burnley Group. This is, in fact, the highest figure recorded, it is an increase of 3.6% on that of 1971 and 8.3% higher than the average for the last five years.

Infant Mortality

The number of infant deaths was more than double that of 1971 and the highest since 1969. Classification of these 14 deaths according to causes and ages is shown in the Table on page 38.

As 6 of the total were under the age of four weeks and 5 under the age of one week the Infant Mortality Rates were as follows:

Infant Mortality (Under 12 months)	28	per 1000 live births
Neo-natal Mortality (Under 4 weeks)	12	do
Early Neo-natal Mortality (Under 1 week)	10	do

and those rates are 16, 6 and 4 per 1000 in excess of those recorded in 1971. Compared with the National Rates the Nelson Infant Mortality Rate is higher by 11 per 1000 live births, but the Neo-natal and Early Neo-natal Mortality Rates are identical to the National.

There were 12 peri-natal deaths (7 still births and 5 under the age of one week) which gave a Peri-natal Mortality Rate 24 per 1000 total births compared with a National Rate of 22 per 1000. In 1971 those rates were 12 and 22 per 1000 total births respectively.

Maternal Mortality

No maternal death occurred during 1972.

The National Maternal Mortality Rates were as follows:

Total	0.15	per 1000 total (live and still births)
Excluding Abortion	0.12	" "
Due to Abortion	0.03	" "

The following Tables show:-

Birth Rates, Death Rates and Analysis of Mortality for England and Wales and Nelson, 1972.

Nelson Vital Statistics, 1972 and previous ten years with averages.

Comparison of Nelson Birth and Death Rates with National Rates 1943-1972 inclusive.

Vital Statistics for 1972 of authorities in Health Division No.6.

Causes of Death at Different periods of life during 1972 with equivalent Death Rates.

Classification of Infant Deaths during 1972 according to Causes and Ages.

Analysis of Deaths from Cancer during 1972 according to age groups and location of growth.

Monthly Analysis of Deaths during 1972 with rates per 1,000 population.

Summary of Ages at Death during 1972.

Annual Percentage Summary of Ages at Death 1962-1972 inclusive.

Percentage of Total Deaths According to ages, at five-year intervals from 1920-1970 and 1972.

Deaths occurring in Nelson and Outward and Inward Transferable Deaths in percentage comparison with nett Deaths assigned to Nelson each year over the period 1933-1972 inclusive.

Deaths occurring in Hospitals and Institutions in relation to Total Deaths during 1972.

Deaths occurring in Hospitals and Institutions, etc., annually from 1957-1971 inclusive with averages, and during 1972.

VITAL STATISTICS

COMPARATIVE TABLE SHOWING BIRTH RATES, DEATH RATES
AND ANALYSIS OF MORTALITY FOR ENGLAND AND WALES AND
NELSON FOR THE YEAR 1972

	(1)		(2)	
	England and Wales		Nelson	
	Number Registered	Rate per 1,000 home population	Number Registered	Rate per 1,000 home population
Births:				
Live Births	725,405	14.8	497	15.8 *
Still Births	8,794	12	7	14
Deaths:				
All Causes	591,907	12.1	480	15.3 *
Tuberculosis (all forms)	1,470	0.030	-	Nil
Respiratory	1,293	0.027	-	Nil
Other	177	0.004	-	Nil
Cancer (all forms)	118,950	2.43	73	2.33
Lung and bronchus	31,649	0.65	15	0.48
Other cancer	87,301	1.78	58	1.85
Maternal Mortality (total)	111	0.15 (a)	-	Nil
Maternal Causes (excluding abortion)	86	0.12 (a)	-	Nil
Due to Abortion	25	0.03 (a)	-	Nil
	Number Registered	Rate per 1,000 Live Births	Number Registered	Rate per 1,000 Live Births
Infant Mortality	12,494	17	14	28
Neo-natal Mortality	8,373	12	6	12
Early Neo-natal Mortality	7,142	10	5	10
Peri-natal Mortality	15,936	22	12	24

(a) Per 1,000 total (live and still) births

Estimated mid-year home population (1) 49,028,900

(2) 31,360

(1) Provisional figures based on Registrar-General's Quarterly Returns

* Adjusted: Live Birth Rate 18.2 per 1,000 (Comp. Fact. 1.15)

Death Rate 13.2 per 1,000 (Comp. Fact. 0.86)

VITAL STATISTICS

VITAL STATISTICS FOR 1972 AND THE PREVIOUS 10 YEARS, WITH 5 YEARS' AVERAGE

Year	Estimated Population	Live Births		Deaths (All causes)		Stillbirths		Maternal Mortality		Infant Mortality		
		No. Registered	Rate per 1000 pop'n	No. Registered	Rate per 1000 pop'n	No. Registered	Rate per 1000 total births	No. of deaths registered	Rate per 1000 total births	No. of deaths registered	Rate per 1000 live births	Rate per 1000 live births
1962	32,000	539	16.8	515	16.1	12	22	Nil	Nil	9	17	15
1963	32,000	519	16.2	493	15.4	6	11	Nil	Nil	12	23	12
1964	31,540	518	16.4	464	14.6	4	8	Nil	Nil	11	21	19
1965	31,290	502	16.0	521	16.7	14	27	Nil	Nil	14	28	20
1966	30,980	550	17.8	517	16.7	4	7	Nil	Nil	12	22	14
Average 5 years		526	16.6	502	15.9	8	15	Nil	Nil	12	22	16
1967	30,630	496	16.2	441	14.4	8	16	Nil	Nil	7	14	8
1968	31,400	498	15.9	492	15.7	8	16	Nil	Nil	7	14	6
1969	31,230	500	16.0	525	16.8	7	14	Nil	Nil	14	28	20
1970	30,800	541	17.6	485	15.7	4	7	1	1.8	9	17	13
1971	31,560	505	16.0	477	15.1	3	6	Nil	Nil	6	12	6
Average 5 years		508	16.0	484	15.5	6	12	0.2	0.4	9	17	11
1972	31,360	497	15.8	480	15.3	7	14	Nil	Nil	14	28	12

COMPARISON OF NELSON BIRTH AND DEATH RATES WITH THE NATIONAL RATES OVER A PERIOD OF 30 YEARS, 1943-1972 INCLUSIVE

Year	Nelson										England and Wales				
	Estimated Population	Birth Rates			Death Rates			Birth Rates			Death Rates				
		Crude per 1000 pop'n	Adjusted 1000 pop'n	Still Total Births	Total	Maternal Per 1000 Total Births	Infant Neo-natal per 1000 Live Births	Live Per 1000 pop'n	Still Per 1000 Total Births	Total Per 1000 pop'n	Maternal Per 1000 Total Births	Infant Total Neo-natal per 1000 Live Births			
1943	31,590	13.3	-	41.1	16.1	-	Nil	48	-	16.5	30.2	12.1	2.29	49	25.2
1944	31,420	15.6	-	23.8	15.3	-	1.98	24	-	17.6	27.7	11.6	1.93	46	24.3
1945	31,100	13.4	-	43.4	15.3	-	2.28	40	-	16.1	27.6	11.4	1.79	46	24.8
1946	32,650	16.2	-	50.1	15.1	-	Nil	28	-	19.1	27.2	11.5	1.43	43	24.5
1947	33,140	20.1	-	16.9	14.9	-	1.47	40	31.4	20.5	24.1	12.0	1.17	41	22.7
1948	34,530	16.4	-	25.7	15.0	-	Nil	40	28.2	17.9	23.2	10.8	1.02	34	19.7
1949	34,530	13.8	-	28.4	15.9	14.1	Nil	36	16.7	16.7	22.7	11.7	0.98	32	19.3
1950	34,670	14.1	15.1	10.1	16.3	14.5	4.04	12.2	10.2	15.8	22.7	11.6	0.86	29.8	18.5
1951	34,240	13.6	14.4	27.2	16.9	14.9	2.10	28.0	21.6	15.5	23.0	12.5	0.79	29.6	18.8
1952	33,900	13.4	14.2	21.5	13.7	12.1	2.15	17.5	13.1	15.3	22.6	11.3	0.72	27.6	18.3
1953	33,510	14.5	15.4	20.1	15.7	13.8	2.01	32.8	24.6	15.5	22.4	11.4	0.76	26.8	17.7
1954	33,390	11.1	12.1	28.8	15.1	13.5	Nil	21.6	16.2	15.2	23.4	11.3	0.69	25.5	17.7
1955	33,220	12.5	13.6	14.2	14.9	13.2	Nil	12.0	7.2	15.0	23.1	11.7	0.64	24.9	17.3
1956	32,700	13.6	14.8	22.0	15.9	15.3	Nil	18.0	15.8	15.7	23.0	11.7	0.56	23.8	16.9
1957	32,330	13.3	14.4	27.0	15.6	15.2	Nil	23.2	13.9	16.1	22.4	11.5	0.47	23.0	16.5
1958	32,060	13.5	14.5	20.4	15.3	14.6	Nil	25.5	11.6	16.4	21.6	11.7	0.43	22.5	16.2
1959	31,720	14.9	16.1	32.7	16.6	15.9	Nil	19.0	14.8	16.5	20.7	11.6	0.38	22.0	15.8
1960	31,470	14.8	16.0	33.1	16.9	16.1	2.07	17.1	15.0	17.1	19.7	11.5	0.39	21.7	15.6
1961	32,140	16.5	17.8	31.1	16.7	15.8	Nil	13.2	11.3	17.4	18.7	12.0	0.33	21.4	15.5
1962	32,000	16.8	18.2	21.8	16.1	15.3	Nil	16.7	14.8	18.0	18.1	11.9	0.35	21.4	15.1
1963	32,000	16.2	18.5	11.4	15.4	14.0	Nil	23.1	11.6	18.2	17.3	12.2	0.28	20.9	14.2
1964	31,540	16.4	18.7	7.7	14.7	13.4	Nil	21.2	19.3	18.4	16.3	11.3	0.25	20.0	13.8
1965	31,290	16.0	18.3	27.1	16.7	14.8	Nil	27.9	19.9	18.1	15.7	11.5	0.25	19.0	13.0
1966	30,980	17.8	20.2	7.2	16.7	14.7	Nil	21.8	14.5	17.7	15.4	11.7	0.26	19.0	12.9
1967	30,630	16.2	18.5	15.9	14.4	12.8	Nil	14.1	8.1	17.2	14.8	11.2	0.20	18.3	12.5
1968	31,400	15.9	18.1	15.8	15.7	14.1	Nil	14.0	6.0	16.9	14.3	11.9	0.24	18.3	12.4
1969	31,230	16.0	18.2	13.8	16.8	15.1	Nil	28.0	20.0	16.3	13.2	11.9	0.19	18.0	12.0
1970	30,800	17.6	20.1	7.3	15.7	13.8	1.83	16.6	12.9	16.0	13.2	11.7	0.18	18.2	12.3
1971	31,560	16.0	18.2	5.9	15.1	13.3	Nil	11.9	5.9	16.0	12.5	11.6	0.17	17.5	11.6
1972	31,360	15.8	18.2	13.9	15.3	13.2	Nil	28.2	12.1	14.8	11.9	12.1	0.15	17.2	11.5

VITAL STATISTICS

Table showing Vital Statistics for 1972 of Authorities in Health Division No.6 for comparison

	Nelson MB	Colne MB	Burnley RD	Padiham UD	Brierfield UD	Barrowford UD	Trawden UD
Estimated Population Mid-Year 1972							
	31,360	18,880	18,570	10,110	7,680	5,250	1,850
<u>Live Birth Rates, Etc.</u>							
Live Births per 1,000 pop'n (Crude Rate)	15.8	13.8	13.2	13.0	18.6	12.0	9.2
Local adjusted rate	18.2	15.5	14.4	14.0	20.6	13.7	11.2
Illegitimate live births as percentage of all live births	9	13	7	14	10	3	18
Stillbirth rate per 1,000 total births	14	19	16	-	-	-	-
<u>Mortality Rates, Etc.</u>							
Deaths per 1,000 pop'n (Crude Rate)	15.3	17.4	12.9	17.0	12.0	13.1	9.2
Local adjusted rate	13.2	15.1	12.1	16.2	12.0	10.3	7.8
Infant Mortality Rate per 1,000 live births	28	19	8	8	21	-	-
Neo-natal Mortality Rate per 1,000 live births	12	11	4	-	21	-	-
Early Neo-natal Mortality Rate per 1,000 live births	10	11	4	-	21	-	-
Peri-natal Mortality Rate per 1,000 total births	24	30	20	-	21	-	-
Malignant Neoplasms, Etc. Mortality per 1,000 pop'n	2.33	3.81	2.42	3.17	2.21	3.24	0.54
do	-	-	-	-	-	-	-
Respiratory Tuberculosis							

PART 1

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years								Total All Ages	Rate per 1,000 pop'n
				1-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75	75 & over	
Enteritis and Other Diarrhoeal Diseases	M.	-	-	-	-	-	-	-	-	-	-	-	0.03
	F.	-	-	-	-	-	-	-	-	-	-	1	
Malignant Neoplasm, Oesophagus	M.	-	-	-	-	-	-	1	-	2	1	5	0.16
	F.	-	-	-	-	-	-	-	1	-	-	-	
Malignant Neoplasm, Stomach	M.	-	-	-	-	-	-	-	1	4	1	6	0.32
	F.	-	-	-	-	-	-	-	1	2	1	4	
Malignant Neoplasm, Intestine	M.	-	-	-	-	-	-	1	1	2	1	5	0.35
	F.	-	-	-	-	-	-	-	2	-	4	6	
Malignant Neoplasm, Larynx	M.	-	-	-	-	-	-	-	1	-	-	1	0.03
	F.	-	-	-	-	-	-	-	-	-	-	-	
Malignant Neoplasm, Lung, Bronchus	M.	-	-	-	-	-	-	1	6	3	-	13	0.48
	F.	-	-	-	-	-	-	-	-	2	-	2	
Malignant Neoplasm, Breast	M.	-	-	-	-	-	-	3	1	1	-	7	0.22
	F.	-	-	-	-	-	-	-	1	-	2	1	
Malignant Neoplasm, Uterus	F.	-	-	-	-	-	-	-	1	1	-	3	0.03
Malignant Neoplasm, Prostate	M.	-	-	-	-	-	-	-	-	1	-	1	0.10
Leukaemia	M.	-	-	-	-	-	-	-	1	-	-	1	0.03
	F.	-	-	-	-	-	-	-	-	-	-	-	
Other Malignant Neoplasms	M.	-	-	-	-	-	-	-	4	2	-	6	0.61
	F.	-	-	-	-	-	-	-	3	5	5	13	
Benign and Unspecified Neoplasms	M.	-	-	-	-	-	-	-	-	-	-	1	0.03
	F.	-	-	-	-	-	1	-	-	-	-	-	
Diabetes Mellitus	F.	-	-	-	-	-	-	-	-	-	-	-	0.19
	M.	-	-	-	-	-	-	-	-	1	-	6	
Anaemias	F.	-	-	-	-	-	-	-	-	-	-	1	0.10
	M.	-	-	-	-	-	-	-	-	-	-	3	
Mental Disorders	F.	-	-	-	-	-	-	-	-	-	-	2	0.06
	M.	-	-	-	-	-	-	1	-	-	-	2	
Totals (c/f to Part 2)	M.	-	-	-	-	1	3	15	14	9	9	42	
	F.	-	-	-	-	-	4	9	11	20	20	86	

PART 2

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years							Total All Ages	Rate per 1,000 pop'n
				1-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75 & over	
Totals (b/f from Part 1)	M. F.	- -	- -	- -	- -	- -	1 -	3 4	15 9	14 11	42) 86 44)	
Meningitis	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1) -)	0.03
Multiple Sclerosis	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- 2)	0.06
Other Diseases of Nervous System	M. F.	- -	- -	- -	- -	- -	- -	- -	1 1	- -	2) 3)	0.10
Chronic Rheumatic Heart Disease	M. F.	- -	1 -	- -	- -	- -	- -	- 1	- 1	- 2	1) 4)	0.29
Hypertensive Disease	M. F.	- -	- -	- -	- -	- -	- -	2 1	2 -	1 -	5) 1)	0.10
Ischaemic Heart Disease	M. F.	- -	- -	- -	- -	- -	2 1	3 -	20 9	24 13	69) 123 54)	3.92
Other Forms of Heart Disease	M. F.	- -	- -	- -	- -	- -	- -	- -	1 3	3 1	10) 20 10)	0.64
Cerebrovascular Disease	M. F.	- -	- -	- -	- -	- -	- 1	2 2	3 2	12 11	32) 71 39)	2.26
Other Diseases of Circulatory System	M. F.	- -	- -	- -	- -	- -	- -	- -	1 1	2 4	9) 26 17)	0.83
Influenza	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- 1	1) 2)	0.10
Pneumonia	M. F.	- -	1 -	- -	- -	- -	- -	- -	1 1	10 5	27) 55 28)	1.75
Bronchitis and Emphysema	M. F.	1 -	1 1	- -	- -	- -	1 -	- -	4 2	6 1	18) 22 4)	0.70
Asthma	M. F.	- -	- -	- -	- -	- -	- -	- -	1 -	- -	2) -)	0.06
Other Diseases of Respiratory System	M. F.	- -	1 -	- -	- -	- -	- -	- -	- -	3 1	8) 10 2)	0.32
Totals (c/f to Part 3)	M. F.	- 1	3 2	2 -	1 -	- -	4 2	10 8	48 32	76 50	226) 436 210)	

PART 3

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years								Total All Ages	Rate per 1,000 pop'n
				1-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75 & over		
Totals (b/f from Part 2)	M. F.	- 1	3 2	2 -	- -	- -	4 2	10 8	48 32	76 50	82 115	226) 210)	436
Peptic Ulcer	M. F.	- -	- -	- -	- -	- -	- -	1 -	- -	1 -	- -	2) 1)	3 0.10
Intestinal Obstruction and Hernia	M. F.	- -	- -	- -	- -	- -	- -	1 -	- -	- -	- 1	1) 1)	2 0.06
Cirrhosis of Liver	M. F.	- -	- -	- -	- -	- -	- -	- -	- 1	- -	- -	- 2)	2 0.06
Other Diseases of Digestive System	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	1 -	1 -	1) 1)	2 0.06
Nephritis and Nephrosis	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 1	1) 2)	3 0.10
Hyperplasia of Prostate	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	1 1	- -	1 1	0.03
Other Diseases, Genito-Urinary System	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	1 -	1 -	2) -	2 0.06
Congenital Anomalies	M. F.	1 -	1 1	- -	- -	- -	- -	- -	- -	- -	- -	2) 1)	3 0.10
Birth Injury, Difficult Labour, etc.	M. F.	2 2	- -	- -	- -	- -	- -	- -	- -	- -	- -	2) 2)	4 0.13
Symptoms and Ill-defined conditions	M. F.	- -	1 -	- -	- -	- -	- -	- -	- -	- -	2 3	3) 3)	6 0.19
Motor Vehicle Accidents	M. F.	- -	- -	- -	- -	- -	- -	- -	1 1	1 -	1 1	3) 3)	6 0.19
All other Accidents	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	3 5	2) 4)	6 0.19
Suicide and Self-inflicted Injuries	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- 1	- 4)	4 0.13
Totals	M. F.	3 3	5 3	2 1	1 -	- -	4 2	12 8	49 35	80 57	69 125	246) 234)	480 5.30

VITAL STATISTICS

CLASSIFICATION OF INFANT DEATHS DURING 1972 ACCORDING TO CAUSES AND AGES

Cause of Death (International Classification)	<u>Neo-natal</u> (Under 4 wks.)		<u>Others</u> (4 wks.-12 mths.)		<u>Total</u>	
	M.	F.	M.	F.	M.	F.
<u>DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS</u>						
<u>Inflammatory Diseases of the Central Nervous System</u>						
Encephalitis, myelitis and encephalomyelitis	-	-	-	1	-	1
<u>DISEASES OF THE RESPIRATORY SYSTEM</u>						
<u>Pneumonia</u>						
Viral pneumonia	-	-	1	-	1	-
Broncho-pneumonia, unspecified	-	1	-	-	-	1
<u>Bronchitis, Emphysema & Asthma</u>						
Bronchitis unqualified	-	-	1	1	1	1
<u>Other Diseases of the Respiratory System</u>						
Bronchiectasis	-	-	1	-	1	-
<u>CONGENITAL ANOMALIES</u>						
<u>Congenital Anomalies of Heart</u>						
Unspecified Anomalies of heart	-	-	-	1	-	1
<u>Other Congenital Anomalies of Circulatory System</u>						
Patent ductus arteriosus	1	-	-	-	1	-
<u>Other Congenital Anomalies of Digestive System</u>						
Atresia and stenosis of small intestine	-	-	1	-	1	-
<u>CERTAIN CAUSES OF PERINATAL MORBIDITY AND MORTALITY</u>						
<u>Anoxic and hypoxic conditions not elsewhere classified</u>						
Asphyxia of newborn unspecified	2	2	-	-	2	2
<u>SYMPTOMS AND ILL-DEFINED SYMPTOMS</u>						
<u>Symptoms referable to systems or organs</u>						
<u>Certain symptoms referable to nervous System and Special Senses</u>						
Convulsions	-	-	1	-	1	-
Totals	3	3	5	3	8	6
	6		8		14	

ANALYSIS OF DEATHS FROM CANCER DURING 1972 AT DIFFERENT PERIODS OF LIFE AND WITH EQUIVALENT DEATH RATES

PART 1

Location of Growth	Age Groups										Total M. F.	Total	Rate per 1,000 pop ⁿ 1972	Rate per 1,000 pop ⁿ 1971
	15-24 M. F.	25-34 M. F.	35-44 M. F.	45-54 M. F.	55-64 M. F.	65-74 M. F.	75 & over M. F.							
BUCCAL CAVITY AND PHARYNX														
Other & unspecified parts of mouth	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
Pharynx unspecified	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
DIGESTIVE ORGANS AND PERITONEUM														
Oesophagus	-	-	-	1	1	2	1	-	5	-	5	5	0.16	
Stomach	-	-	-	-	1	4	1	1	6	4	10	10	0.32	
Large intestine except rectum	-	-	-	-	1	1	1	2	3	3	6	6	0.19	
Rectum & rectosigmoidal junction	-	-	-	1	-	1	-	2	2	3	5	5	0.16	
Liver & intra-hepatic ducts, specified as primary	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
Gall bladder & bile ducts	-	-	-	-	-	-	-	-	-	-	-	-	0.06	
Pancreas	-	-	-	-	-	1	-	2	-	3	3	3	0.13	
RESPIRATORY SYSTEM														
Larynx	-	-	-	-	1	-	-	-	1	-	1	1	0.03	
Trachea, bronchus & lung	-	-	-	1	6	3	3	-	13	2	15	15	0.48	
BONE, CONNECTIVE TISSUE, SKIN & BREAST														
Bone	-	-	-	-	-	1	-	-	-	1	1	1	0.03	
Breast	-	-	-	-	-	1	-	2	-	7	7	7	0.22	
Totals (c/f to Part 2)	-	-	-	3	10	11	6	9	30	23	53	53		

ANALYSIS OF DEATHS FROM CANCER DURING 1972 AT DIFFERENT PERIODS OF LIFE AND WITH EQUIVALENT DEATH RATES

Location of Growth	Age Groups												Total M. F.	Rate per 1,000 pop'n 1972	Rate per 1,000 pop'n 1971
	15-24 M. F.	25-34 M. F.	35-44 M. F.	45-54 M. F.	55-64 M. F.	65-74 M. F.	75 & over M. F.	6	9	30	23				
Totals (b/f from Part 1)	-	-	-	3	3	10	4	11	7	6	9	40	33	53	
<u>GENITO URINARY ORGANS</u>															
Cervix uteri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
Other malignant neoplasm of uterus	-	-	-	-	-	-	1	-	-	-	-	-	1	0.03	0.03
Ovary, fallopian tube & broad ligament	-	-	-	-	-	-	-	-	2	-	-	-	2	0.06	0.06
Other and unspecified female genital organs	-	-	-	-	-	-	-	-	-	-	1	-	1	0.03	0.03
Prostate	-	-	-	-	-	-	-	1	-	2	-	3	3	0.10	0.13
Bladder	-	-	-	-	-	3	-	1	1	-	1	4	6	0.19	0.03
Other and unspecified urinary organs	-	-	-	-	-	-	1	-	-	-	-	-	1	0.03	0.03
<u>OTHER UNSPECIFIED SITES</u>															
Brain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
Other parts of nervous system	-	-	-	-	-	-	1	-	-	-	-	-	1	0.03	0.03
Secondary malignant neoplasm of respiratory & digestive organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
Other secondary malignant neoplasm	-	-	-	-	-	-	-	-	-	-	1	-	1	0.03	0.03
Malignant neoplasm without specification of site	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
<u>LYMPHATIC & HAEMATOPOIETIC TISSUE</u>															
Lymphosarcoma & reticulum cell sarcoma	-	-	-	-	-	-	-	1	-	-	-	1	-	0.03	-
Hodgkins disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06
Other neoplasms of lymphoid tissue	-	-	-	-	-	-	1	-	-	-	-	-	1	0.03	-
Myeloid leukaemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
Other & unspecified leukaemia	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Myelofibrosis	-	-	-	-	-	-	-	-	-	-	-	1	1	0.03	-
Totals	-	-	-	3	3	15	8	14	10	8	12	40	33	73	2.72

1972 - MONTHLY ANALYSIS OF DEATHS

WITH RATES PER 1,000 POPULATION

Month	Actual Deaths in Nelson		Outward Transfers		Inward Transfers		Nett deaths in Nelson			Rate per 1,000 pop'n
	M.	F.	M.	F.	M.	F.	M.	F.	Total	
January	13	11	-	2	12	8	25	17	42	1.34
February	8	10	-	-	11	13	19	23	42	1.34
March	11	18	-	-	8	8	19	26	45	1.43
April	10	8	1	2	9	12	18	18	36	1.15
May	10	8	1	1	9	9	18	16	34	1.09
June	11	10	-	3	12	11	23	18	41	1.31
July	9	8	2	1	9	13	16	20	36	1.15
August	10	7	-	-	10	9	20	16	36	1.15
September	9	7	2	2	8	13	15	18	33	1.05
October	10	10	2	-	7	10	15	20	35	1.11
November	16	8	4	-	15	10	27	18	45	1.43
December	15	17	5	3	21	10	31	24	55	1.75
Totals	132	122	17	14	131	126	246	234	480	15.30

1972

SUMMARY OF AGES AT DEATH

Age Groups	Deaths in Nelson		Outward Transfers		Inward Transfers		Total Deaths Allocated to Nelson			% of each group to total deaths
	M.	F.	M.	F.	M.	F.	M.	F.	Total	
Under 1 year	4	1	-	-	4	5	8	6	14	2.92
1 year	-	-	-	-	1	-	1	-	1	0.21
2 - 4 years	1	-	-	-	-	1	1	1	2	0.42
5 - 9 "	-	-	-	-	-	-	-	-	-	-
10 - 14 "	1	-	-	-	-	-	1	-	1	0.21
15 - 19 "	1	-	-	-	-	-	1	-	1	0.21
20 - 24 "	-	-	-	-	-	-	-	-	-	-
25 - 29 "	-	-	-	-	-	-	-	-	-	-
30 - 34 "	-	-	-	-	-	-	-	-	-	-
35 - 39 "	-	-	-	-	1	2	1	2	3	0.62
40 - 44 "	1	-	-	-	2	-	3	-	3	0.62
45 - 49 "	2	1	-	-	1	2	3	3	6	1.25
50 - 54 "	5	2	-	-	4	3	9	5	14	2.92
55 - 59 "	6	11	-	-	13	7	19	18	37	7.71
60 - 64 "	18	10	2	1	14	8	30	17	47	9.79
65 - 69 "	26	8	5	1	15	11	36	18	54	11.25
70 - 74 "	23	20	5	3	26	22	44	39	83	17.29
75 - 79 "	18	24	3	4	27	18	42	38	80	16.67
80 - 84 "	13	29	2	5	17	24	28	48	76	15.83
85 - 89 "	11	10	-	-	5	18	16	28	44	9.16
90 - 94 "	2	5	-	-	-	5	2	10	12	2.50
95 - 99 "	-	1	-	-	1	-	1	1	2	0.42
Totals	132	122	17	14	131	126	246	234	480	100.00

ANNUAL PERCENTAGE SUMMARY OF AGES AT DEATH 1962 - 1972 INCLUSIVE

Age Groups	Each age group as percentage of total annual deaths										
	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
Under 1 year	1.75	2.43	2.38	2.69	2.32	1.59	1.42	2.85	1.86	1.26	2.92
1 year	-	-	-	-	0.19	0.23	-	-	-	0.21	0.21
2 - 4 years	-	-	0.22	0.20	0.19	0.23	-	0.38	0.41	-	0.42
5 - 9 years	0.39	-	0.22	0.20	0.19	-	0.41	-	-	-	-
10 - 14 years	-	-	-	-	-	0.45	0.20	-	-	0.42	0.21
15 - 19 years	0.19	0.20	0.22	-	0.19	0.45	-	0.38	0.41	0.42	0.21
20 - 24 years	0.19	0.20	-	0.38	0.19	0.23	0.20	0.38	0.21	0.42	-
25 - 29 years	-	-	-	0.57	0.39	-	0.20	-	0.21	0.21	-
30 - 34 years	0.39	0.61	0.43	0.20	0.39	0.68	-	0.38	0.21	0.42	-
35 - 39 years	0.78	0.61	0.43	1.53	0.97	0.68	0.20	0.19	1.24	0.42	0.62
40 - 44 years	1.17	0.82	1.28	1.92	0.77	1.36	1.02	1.52	1.24	1.68	0.62
45 - 49 years	1.75	1.82	2.16	0.77	2.13	1.13	2.44	2.86	3.09	2.52	1.25
50 - 54 years	5.05	3.04	3.23	3.45	1.93	4.76	2.03	2.67	3.09	3.77	2.92
55 - 59 years	5.63	6.69	4.53	4.80	5.03	6.12	5.69	5.34	4.12	4.82	7.71
60 - 64 years	9.32	12.58	11.64	9.02	8.90	7.48	8.54	10.10	9.28	10.27	9.79
65 - 69 years	13.98	12.58	14.44	12.48	12.96	14.97	14.43	15.43	10.52	12.58	11.25
70 - 74 years	16.88	15.21	18.10	21.11	17.22	16.56	14.43	17.52	16.49	17.19	17.29
75 - 79 years	19.42	17.44	13.75	15.93	18.38	18.14	19.92	14.86	18.97	15.93	16.67
80 - 84 years	13.79	15.42	12.28	14.20	18.38	13.60	16.46	15.30	16.29	13.63	15.83
85 - 89 years	7.96	8.32	7.76	7.29	7.35	7.94	8.94	6.29	8.45	9.43	9.16
90 - 94 years	0.97	1.62	1.93	2.88	1.74	2.95	3.05	2.67	3.50	4.19	2.50
95 - 99 years	0.39	0.41	-	0.38	0.19	0.45	0.41	0.38	0.41	0.21	0.42
Total Deaths	515	493	464	521	517	441	492	525	485	477	480

VITAL STATISTICS

PERCENTAGE OF TOTAL DEATHS, ACCORDING TO AGES, (AT FIVE-YEAR INTERVALS) FROM 1920 - 1970 AND 1972

Ages	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1972
Under 1 year	13.2	7.7	7.7	5.9	3.6	3.6	1.1	1.0	1.5	2.7	1.9	2.9
1 - 4 years	2.2	5.3	2.3	1.1	0.8	Not available	0.4	0.6	0.4	0.2	0.4	0.6
5 - 14 "	3.2	2.1	1.6	1.7	0.4		0.4	0.6	0.4	0.2	-	0.2
15 - 44 "	20.2	15.5	12.0	12.6	10.0		2.1	2.6	2.8	4.6	3.5	1.5
45 - 64 "	26.1	32.8	29.8	28.5	28.1		26.9	25.5	22.3	18.0	19.6	21.7
65 years & over	35.1	36.6	46.6	50.2	57.1		69.1	69.7	72.6	74.3	74.6	73.1
Total Deaths	410	478	483	460	530	478	564	494	533	521	485	480
Population	43,095	39,990	39,760	37,096	33,520	31,100	34,670	33,220	31,470	31,290	30,800	31,360
Death Rate	9.5	11.9	12.1	12.4	15.8	15.3	16.3	14.9	16.9	16.7	15.7	15.3

VITAL STATISTICS

DEATHS OCCURRING IN NELSON AND OUTWARD AND INWARD TRANSFERABLE DEATHS

IN PERCENTAGE COMPARISON WITH THE NETT DEATHS ASSIGNED TO NELSON

EACH YEAR OVER THE PERIOD 1933 - 1972 INCLUSIVE

Year	Deaths in Nelson					Deaths out of Borough Inward Transfers to Nelson		Nett deaths assigned to Nelson
	Actual Number	Actual Number	% of above	Actual Number	% of nett deaths	Actual Number	% of nett deaths	
1972	254	31	12.2	223	46.5	257	53.5	480
1971	260	37	14.2	223	46.8	254	53.2	477
1970	271	28	10.3	243	50.1	242	49.9	485
1969	342	48	14.0	294	56.0	231	44.0	525
1968	313	42	13.4	271	55.1	221	44.9	492
1967	276	31	11.1	245	55.6	196	44.4	441
1966	331	42	12.7	289	55.9	228	44.1	517
1965	321	49	15.3	272	52.2	249	47.8	521
1964	325	42	14.8	283	61.0	181	39.0	464
1963	369	52	14.1	317	64.3	176	35.7	493
1962	356	47	13.2	309	60.0	206	40.0	515
1961	375	40	11.9	335	62.5	201	37.5	536
1960	362	43	13.5	319	59.9	214	40.1	533
1959	366	34	10.2	332	63.1	194	36.9	526
1958	381	50	15.1	331	67.7	158	32.3	489
1957	408	49	13.6	359	71.1	146	28.9	505
1956	414	54	15.0	360	69.1	161	30.9	521
1955	406	58	16.6	348	70.4	146	29.6	494
1954	411	59	16.8	352	69.7	153	30.3	505
1953	439	47	12.0	392	74.5	134	25.5	526
1952	382	52	13.6	330	71.0	135	29.0	465
1951	440	26	5.9	414	71.4	166	28.6	580
1950	451	30	6.6	421	74.6	143	25.4	564
1949	433	25	5.8	408	74.5	140	25.5	548
1948	386	15	3.9	371	71.3	149	28.7	520
1947	419	26	6.2	393	79.1	104	20.7	497
1946	412	26	6.3	386	78.1	108	21.9	494
1945	389	18	4.6	371	77.6	107	22.4	478
1944	367	18	5.1	349	72.6	132	27.4	481
1943)								(509
1942)								(491
1941)								(491
1940	406	10	2.5	396	74.7	134	25.3	530
1939	415	19	4.6	396	75.4	129	24.6	525
1938	426	12	2.8	414	75.3	136	24.7	550
1937	395	12	3.0	383	78.0	108	22.0	491
1936	401	21	5.2	380	79.2	100	20.8	480
1935	368	13	3.5	355	77.2	105	22.8	460
1934	401	17	4.2	384	80.7	92	19.3	476
1933	462	23	5.0	439	81.9	97	18.1	536

War years - figures not available

VITAL STATISTICS

DEATHS OCCURRING IN HOSPITALS OR INSTITUTIONS IN RELATION TO TOTAL DEATHS DURING 1972

Quarter Ended	Deaths in Nelson		Outward Transfers		Inward Transfers		Nett Deaths	
	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.
31st March	32 39 71	4 9 13 18.3%	- 2 2	- 2 2 100%	31 29 60	31 26 57 95.0%	63 66 129	35 33 68 52.7%
30th June	31 26 57	3 9 12 21.0%	2 8 10	2 6 8 100%	30 32 62	30 31 61 98.4%	59 52 111	31 34 65 58.5%
30th September	28 22 50	6 9 15 30.0%	4 3 7	3 3 6 85.7%	27 35 62	25 34 59 95.1%	51 54 105	28 40 68 64.7%
31st December	41 35 76	12 10 22 28.9%	11 14 25	8 3 11 78.6%	43 30 73	43 30 73 100%	73 62 135	47 37 84 62.2%
Total for the year	132 122 254	25 37 62 24.4%	17 14 31	13 14 27 87.1%	131 126 257	129 121 250 97.2%	246 234 480	141 144 285 59.4%

VITAL STATISTICS

PERCENTAGE OF DEATHS WHICH OCCURRED IN HOSPITALS, INSTITUTIONS, ETC., ANNUALLY

FROM 1957 - 1971 INCLUSIVE, WITH QUINQUENNIAL AVERAGES AND 1972

Year	Deaths in Nelson				Inward Transfer Deaths From Other Areas		Nett Deaths Assigned to Nelson	
	Total Number in Nelson	% occurring in hospital, inst. etc.	Outward Transfers to Other Areas	% occurring in hospital, inst. etc.	Total Number	% occurring in hospital, inst. etc.	Total Number	% occurring in hospital, inst. etc.
1957	408	19.8	49	93.8	146	94.5	505	34.2
1958	381	17.6	50	84.0	158	90.5	489	34.3
1959	366	15.3	34	82.3	194	95.9	526	40.7
1960	362	20.4	43	81.4	214	95.3	533	45.8
1961	375	18.4	40	77.5	201	93.5	536	42.2
Average	378	18.3	43	83.8	182	93.9	518	39.4
1962	356	19.9	47	78.7	206	96.6	515	45.2
1963	369	23.0	52	86.5	176	96.6	493	42.6
1964	325	20.3	42	88.1	181	95.0	464	43.3
1965	321	20.6	49	77.5	249	95.6	521	51.0
1966	331	20.8	42	83.3	228	94.3	517	48.2
Average	340	20.9	46	82.8	208	95.6	502	46.1
1967	276	18.5	31	87.1	196	93.9	441	47.2
1968	313	22.0	42	85.7	221	93.2	492	48.6
1969	342	21.9	48	91.7	231	98.3	525	49.1
1970	271	21.0	28	92.8	242	97.9	485	55.0
1971	260	20.0	37	78.4	254	95.7	477	55.8
Average	292	20.7	37	87.1	229	95.8	484	51.1
1972	254	24.4	31	87.1	257	97.2	480	59.4

SECTION B

GENERAL PROVISION OF
HEALTH SERVICES
FOR THE AREA

Particulars of the staff of the Health Department are given on page 7 of this report.

In subsequent sections, full details will be found relating to infectious diseases and environmental health services within the Borough for which the Council is directly responsible.

The present section relates to those health services which concern more the personal health and welfare of the individual rather than public health and the community.

Liaison between County Council Services and Borough Council Services is facilitated by the fact that your Medical Officer of Health is also Schools Medical Officer and Divisional Medical Officer.

HOSPITALS

The Hospital Services for the Borough are provided by the Burnley and District Hospital Management Committee of the Manchester Regional Hospital Board and action is taken by them to secure adequate hospital treatment for the varying needs of the people.

Hospitals in the Burnley district available to Nelson residents are as follows:-

Reedyford Memorial Hospital, Nelson
 Grove House Recovery Home, Barrowford
 Hartley Hospital, Colne
 Bank Hall Hospital, Burnley
 Edith Watson Maternity unit, General Hospital, Burnley
 General Hospital, Burnley
 Marsden Hospital, Burnley
 Victoria Hospital, Burnley

Patients suffering from infectious diseases are, when necessary, admitted to Marsden Hospital, Burnley.

VENEREAL DISEASES - SPECIAL TREATMENT CENTRE

This service is also provided by the Burnley and District Hospital Management Committee at the Out-Patient Department of the General Hospital, Burnley. Clinics are held twice weekly and a medical officer is in attendance, as follows:-

Tuesday - 2.00 p.m. to 4.00 p.m.
 Friday - 2.00 p.m. to 4.00 p.m. and 5.00 p.m. to 7.00 p.m.

These are for both male and female patients and no appointment is necessary.

LABORATORY FACILITIES

The facilities of the Public Health Laboratory, Royal Infirmary, Meadow Street, Preston, are available for the use of your Authority.

Samples of water, milk, ice-cream, etc., were submitted for examination and the results are given in the appropriate sections of this report.

WELFARE OF THE AGED

The responsibility for the care of the aged outside hospital belongs to the Lancashire County Council. In April, 1972, this service was transferred from the Divisional Office of Health Division No.6 to the newly formed Social Services Department of the County Council. The local office is now at No.11 Carr Road, Nelson, where all enquiries should now be made.

The Council is justifiably proud of the Welfare Service for the Aged which it has provided for many years as supplementary to the County Council Services. This is organised by the local authority and the Mayor's Welfare Fund. Voluntary subscriptions and efforts maintain this fund and it is supplemented by a voluntary contributory scheme in local places of employment etc., with the co-operation of employers and trade unions.

The fund finances the employment of welfare workers of which eleven were employed at the end of the year. By an arrangement with the Barrowford Urban District one of these was assigned to their area. The work is organised from the Public Information Centre at the Town Hall where records are kept of all old people living in the town. The welfare workers regularly visit aged persons in their own homes and their duties include odd jobs in the house, shopping, collecting pensions, lighting fires, making drinks and giving friendly assistance to the old people generally. During the year they made a total of 49,050 visits, of which 5,535 were in the Barrowford area.

The Meals on Wheels Service inaugurated in 1966 continues to distribute 32 meals each day on Tuesdays, Wednesdays and Fridays. This is done by the Mayor's Welfare Section in co-operation with the local branch of the Women's Royal Voluntary Services and assisted twice a week by two senior children from local Secondary Modern Schools.

A Luncheon Club for the aged is held on Thursdays in the Civic Theatre, Stanley Street, Nelson, when approximately 90 persons are provided with a lunch at a cost to themselves of 10p. each.

Also in the Borough are six Social Clubs for Aged Persons, five of which are provided by the Council. All persons of retirement age have access to the amenities of these clubs, but membership, which entails the payment of a small subscription, qualifies the person to additional privileges such as free trips to the seaside and social occasions such as Christmas parties. The membership of these clubs exceeds 2,500.

NATIONAL ASSISTANCE ACTS, 1948 AND 1951 (SECTION 47)

One application for an order for the removal to suitable premises of a person in need of care and attention was made during the year. The person was removed to hospital but died fourteen days later.

TUBERCULOSIS SERVICE

The Chest Clinic for the area is situate at the Marsden Hospital, Burnley, to which known, and suspected, cases of tuberculosis are referred by medical practitioners. Patients are also visited in their own homes by Health Visitors employed by the Lancashire County Council Health Division No.6. These Health Visitors work in co-operation with the Chest Clinic and advise on the care and after-care of patients.

NATIONAL ASSISTANCE ACT, 1948 (SECTION 50)

It is the duty of the Local Authority to arrange for the burial of the body of a person who has died or been found dead in their area where it appears that no suitable arrangements for the disposal of the body are being made. One such case was dealt with during the year.

OTHER SERVICES

The Borough of Nelson forms part of the Lancashire County Council Health Division No.6 and the following is a summary of the services provided by the County Council and administered from the Divisional Health Office, Oakleigh, Reedley, Nr. Burnley.

- Ambulance Service
- Care of Mothers and Young Children
 - Ante-natal Clinics
 - Child Health Clinics
 - Family Planning
 - Relaxation Classes
- Health Visiting
- Home Nursing
- Immunisation and Vaccination
 - Measles, Diphtheria, Whooping Cough, Tetanus,
 - Poliomyelitis, Smallpox, Tuberculosis (BCG) and Rubella
- Medical Examinations
- Midwifery Service
- Prevention of Illness - Care and After-Care
 - Cervical Cytology
 - Chiropody
 - Health Education
 - Laundry Service
 - Loan of Nursing Equipment
 - Tuberculosis

Information regarding these services are given in my report as Divisional Medical Officer.

The following services were also administered from the Divisional Health Office, Oakleigh, Reedley, Nr. Burnley, but in April, 1972, were transferred to the newly formed Social Services Department of the County Council and, locally, are now administered from that department's new office at No. 11 Carr Road, Nelson.

- Care of Mothers and Young Children
 - Day Nurseries
 - Nurseries and Child Minders Regulations
 - Problem Families
 - Unmarried Mothers
- Mental Health
 - Mental Illness and Subnormality
 - Training Centres
 - Hostels
- Prevention of Illness - Care and After-Care
 - Convalescence
 - Home Help Service
 - Night and Evening Help Service
- Welfare Services for the Aged
 - Day Care
 - Registration of Private Homes
 - Residential Accommodation
 - Short-stay Accommodation
- Welfare Service for Handicapped Persons
 - Blind and Partially Sighted
 - Deaf and Dumb
 - Physically Handicapped (General Classes)
 - Social Centres

SECTION C

PREVALENCE OF, AND CONTROL OVER
INFECTIOUS AND OTHER DISEASES

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

There were 284 such notifications received, an increase of over 200% on the previous year and the largest annual total since 1966 (487), the 243 cases of measles included being the responsible factor.

Three cases of food poisoning were notified but in no case was the causative organism or agent identified.

For the second successive year there was a decrease in the number of cases of tuberculosis notified, the total being 17 against 22 for the previous year and 29 in 1970. All but 2 of the 17 cases were Commonwealth Immigrants.

The case incidence rates per 1,000 of population for this disease were respiratory 0.414 and non-respiratory 0.127, compared with those for England and Wales as a whole, of 0.177 and 0.048 per 1,000 population respectively.

No death occurred from tuberculosis during the year.

At the end of the year the register contained the names of 172 cases, respiratory 118 and non-respiratory 54, twelve deletions having been made during the year, 8 patients were recovered, 3 had left the district and the other died from a cause other than tuberculosis.

HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASES

This is provided by the Burnley and District Hospital Management Committee at Marsden Hospital, Burnley, when required, for all infectious diseases with the exception of smallpox. If, on occasions, accommodation thereat is not available, arrangements are then made through the Bed Bureau for admission of the patient to an isolation hospital under the control of a neighbouring Hospital Management Committee.

PUBLIC HEALTH ACT, 1936 - SECTION 172

It was not found necessary to invoke the provisions of this Section for the removal to hospital of any infectious person suffering from tuberculosis of the respiratory tract.

DISINFECTION AFTER INFECTIOUS DISEASES

Generally the disinfection of rooms, bedding and personal clothing is no longer recommended except in cases of smallpox and some cases of tuberculosis. Experience has shown that cleansing with soap and water and the use of a disinfectant together with efficient ventilation of rooms is adequate, but disinfection is still carried out if specially requested. There were no such requests during the year.

Scabies is not a notifiable disease, but occasionally cases are discovered through the school medical service and referred to this Department for treatment. This is carried out on our behalf by the County Borough of Burnley on a payment basis, as and when required. The steam disinfection of personal clothing and bedding, etc., forms part of the treatment.

The following Tables give detailed information relative to:-

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

Cases notified during 1972.

Comparison of 1972 figures with previous five years and average.

Monthly Incidence of Notified Cases during 1972.

Comparison of Case Rates for Nelson and National Rates during 1972.

Tuberculosis - Analysis of New Cases and Deaths during 1972 according to Age Group and Sex.

Tuberculosis - Particulars of New Cases and Deaths annually over period of 30 years.

Tuberculosis - Number of Cases on Register during 1972.

INFECTIOUS AND OTHER NOTIFIABLE DISEASES - NOTIFICATIONS

Comparison of 1972 figures with those of the previous 5 years and average

Notifiable Diseases	Notifications received during					Total for 5 yrs	Average number per year	Notifications 1972
	1967	1968	1969	1970	1971			
Measles (excluding Rubella)	12	119	33	175	40	379	75.8	243
Dysentery	10	-	1	1	2	14	2.8	6
Scarlet Fever	-	5	1	3	10	19	3.8	5
Diphtheria	-	-	-	-	-	-	-	-
Meningococcal Infection(a)	-	-	-	-	-	-	-	-
Acute Meningitis	-	-	-	2	-	2	0.4	-
Acute Poliomyelitis -								
Paralytic	-	-	-	-	-	-	-	-
Non-Paralytic	-	-	-	-	-	-	-	-
Acute Encephalitis -								
Infective	-	-	-	-	-	-	-	-
Post Infectious	-	-	-	-	-	-	-	-
Acute Pneumonia (a)	-	1	-	-	-	1	0.2	-
Leptospirosis	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	1
Food Poisoning	1	3	2	5	5	16	3.2	3
Erysipelas (a)	-	-	-	-	-	-	-	-
Puerperal Pyrexia (a)	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-
Infective Jaundice	-	-	-	1	2	3	0.6	4
Tuberculosis -								
Respiratory	7	8	14	19	15	63	12.6	13
Meninges & C.N.S.	-	-	-	-	1	1	0.2	-
Other	6	4	10	10	6	36	7.2	4
Whooping Cough	21	3	-	8	9	41	8.2	4
Ophthalmia Neonatorum	-	-	-	-	2	2	0.4	-
Smallpox	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-
Malaria	-	-	1	-	-	1	0.2	1
Totals	57	143	62	224	92	578	115.6	284

(a) Not notifiable from 1st October, 1968

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

MONTHLY INCIDENCE OF NOTIFIED CASES DURING 1972

Notifiable Diseases	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Measles (excluding Rubella)	1	3	56	61	64	35	15	4	2	1	1	-	243
Dysentery	-	2	-	-	-	2	-	-	-	1	1	-	6
Scarlet Fever	1	-	2	-	-	2	-	-	-	-	-	-	5
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Poliomyelitis - Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Encephalitis - Infective	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-Infectious	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	1	-	-	-	-	-	-	-	1
Food Poisoning	-	-	2	-	-	-	-	-	1	-	-	-	3
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-
Infective Jaundice	-	-	-	-	1	-	-	-	-	3	-	-	4
Tuberculosis - Respiratory	1	-	-	-	4	1	-	-	1	3	2	1	13
Meninges & C.N.S.	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	1	1	1	-	1	-	-	-	-	-	4
Whooping Cough	-	-	-	-	1	-	-	-	3	-	-	-	4
Ophthalmia Neonatorum	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	-	1	-	-	-	-	-	-	1
Totals	3	5	61	62	72	41	16	4	7	8	4	1	284

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

COMPARISON OF CASE RATES FOR CERTAIN DISEASES NOTIFIED DURING
THE YEAR 1972

Notifications (Corrected)	(1) England and Wales		(2) Nelson	
	Number of Notifs.	Rate per 1,000 home population	Number of Notifs.	Rate per 1,000 home population
Measles	145,687	2.971	243	7.749
Dysentery	9,034	0.184	6	0.191
Scarlet Fever	11,201	0.228	5	0.159
Whooping Cough	2,069	0.042	4	0.127
Infective Jaundice	12,233	0.250	4	0.127
Tuberculosis -				
Respiratory	8,683	0.177	13	0.414
Meninges and C.N.S.	98	0.002	-	-
Other forms	2,277	0.046	4	0.127
Diphtheria	5	0.000	-	-
Tetanus	20	0.000	-	-
Acute Meningitis	1,546	0.032	-	-
Acute Encephalitis -				
Infective	73	0.001	-	-
Post Infectious	90	0.002	-	-
Ophthalmia Neonatorum	357	0.007	-	-
Acute Poliomyelitis -				
Paralytic	3	0.000	-	-
Non-paralytic	2	0.000	-	-
Leptospirosis	24	0.000	-	-
Paratyphoid Fever	76	0.002	-	-
Typhoid Fever	128	0.003	1	0.032
Food Poisoning	5,449	0.111	3	0.096
Anthrax	4	0.000	-	-
Smallpox	1	0.000	-	-
Plague	-	Nil	-	-
Cholera	-	Nil	-	-
Typhus Fever	-	Nil	-	-
Relapsing Fever	-	Nil	-	-
Yellow Fever	-	Nil	-	-
Malaria	363	0.007	1	0.032

(1) Provisional figures based on Registrar-General's Quarterly Returns

Estimated Home Population Mid-1972 (1) 49,028,900

(2) 31,360

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

ANALYSIS OF NEW CASES OF TUBERCULOSIS AND DEATHS FROM THE
DISEASE ACCORDING TO AGE GROUP AND SEX DURING 1972

Age Periods	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	-	-	-	-	-	-	-	-
1 year	-	-	-	-	-	-	-	-
2 to 4 years	-	-	-	-	-	-	-	-
5 to 9 years	-	-	-	-	-	-	-	-
10 to 14 years	3 (3)	-	1 (1)	-	-	-	-	-
15 to 19 years	-	1 (1)	-	1	-	-	-	-
20 to 24 years	3 (2)	-	-	-	-	-	-	-
25 to 34 years	2 (2)	2 (2)	-	1 (1)	-	-	-	-
35 to 44 years	-	-	-	1 (1)	-	-	-	-
45 to 54 years	1 (1)	-	-	-	-	-	-	-
55 to 64 years	1 (1)	-	-	-	-	-	-	-
65 to 74 years	-	-	-	-	-	-	-	-
75 and upwards	-	-	-	-	-	-	-	-
Totals	10 (9)	3 (3)	1 (1)	3 (2)	-	-	-	-
	13 (12)		4 (3)		-		-	

Numbers in brackets denote Commonwealth Immigrants included

INFECTIOUS AND OTHER NOTIFIABLE DISEASESTUBERCULOSISPARTICULARS OF NEW CASES AND DEATHS OVER PERIOD OF 30 YEARS

1. NEW CASES						Rate per
year	Respiratory		Non-respiratory		Total	1,000 Population
	Male	Female	Male	Female		
1972	10	3	1	3	17	0.54
1971	11	4	4	3	22	0.70
1970	16	3	4	6	29	0.94
1969	7	7	3	7	24	0.77
1968	2	6	1	3	12	0.39
1967	5	2	5	1	13	0.42
1966	5	1	1	2	9	0.29
1965	5	-	5	1	11	0.35
1964	11	-	2	2	15	0.47
1963	2	1	2	-	5	0.16
1962	12	9	3	-	24	0.75
1961	3	3	2	1	9	0.28
1960	7	7	3	-	17	0.54
1959	10	5	3	1	19	0.59
1958	17	15	-	2	34	1.06
1957	9	5	1	1	16	0.49
1956	10	10	-	2	22	0.67
1955	14	10	1	1	26	0.78
1954	12	13	1	3	29	0.86
1953	7	16	3	1	27	0.80
1952	12	12	5	2	31	0.91
1951	14	8	6	7	35	1.02
1950	13	4	6	7	30	0.86
1949	24	15	4	9	52	1.50
1948	22	10	4	7	43	1.24
1947	12	9	2	4	27	0.79
1946	25	6	3	9	43	1.31
1945	16	9	4	10	39	1.25
1944	18	9	3	11	41	1.30
1943	19	5	11	7	42	1.32

2. DEATHS

1972	-	-	-	-	-	-
1971	-	-	-	-	-	-
1970	-	-	-	1	1	0.03
1969	1	-	-	-	1	0.03
1968	-	-	-	-	-	-
1967	-	-	-	-	-	-
1966	2	-	-	-	2	0.06
1965	1	-	-	-	1	0.03
1964	1	-	-	-	1	0.03
1963	1	-	-	-	1	0.03
1962	-	-	-	-	-	-
1961	1	-	-	-	1	0.03
1960	1	1	-	-	2	0.06
1959	1	-	1	-	2	0.06
1958	1	-	-	-	1	0.03
1957	3	1	1	-	5	0.15
1956	4	3	-	-	7	0.21
1955	2	1	-	-	3	0.09
1954	-	2	1	-	3	0.09
1953	5	1	1	-	7	0.21
1952	9	2	-	-	11	0.32
1951	4	2	1	1	8	0.23
1950	5	8	-	-	13	0.37
1949	12	5	2	2	21	0.60
1948	11	8	2	2	23	0.66
1947	3	4	-	-	7	0.21
1946	9	3	2	1	15	0.45
1945	10	3	-	3	16	0.50
1944	14	3	1	1	19	0.60
1943	7	5	5	1	18	0.57

INFECTIOUS AND OTHER NOTIFIABLE DISEASESTUBERCULOSISNUMBER OF CASES ON TUBERCULOSIS REGISTER DURING 1972

	Pulmonary			Non-Pulmonary			Total		
	M.	F.	Total	M.	F.	Total	M.	F.	Total
<u>Number of cases on register at commencement of year</u>	74	39	113	28	26	54	102	65	167
<u>Number of cases added to register during the year:-</u>									
(a) New Cases	10	3	13	1	3	4	11	6	17
(b) Inward transfers from other districts	-	-	-	-	-	-	-	-	-
(c) Other	-	-	-	-	-	-	-	-	-
Total Cases	84	42	126	29	29	58	113	71	184
<u>Number of cases removed from register during year:-</u>									
(a) Died	1	-	1	-	-	-	1	-	1
(b) Recovered	3	2	5	2	1	3	5	3	8
(c) Left District	1	1	2	1	-	1	2	1	3
<u>Total deletions</u>	5	3	8	3	1	4	8	4	12
<u>Number of cases on register at end of Year</u>	79	39	118	26	28	54	105	67	172

A N N U A L R E P O R T
O F T H E
S E N I O R P U B L I C H E A L T H I N S P E C T O R
F O R T H E Y E A R E N D E D
3 1 s t D E C E M B E R , 1 9 7 2

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the environmental services provided by this Department.

ATMOSPHERIC POLLUTION

During the year, conversion of firegrates continued in the No.7 Smoke Control Order, although at a much slower pace than in previous areas. It has been interesting to note how the number of houses which are already smokeless, and thus receive no grant, has increased with each successive Smoke Control Order.

The continued surveillance of existing smoke control areas is essential to prevent householders reverting to burning coal and other unauthorised fuels. This is a time consuming job which often has to be carried out outside normal working hours. One householder was prosecuted during the year for burning coal which he had purchased in a pre-packed form at a corner shop. As the law stands at the moment it is illegal to burn coal in a smoke control area, it is illegal to deliver coal in a smoke control area, but it is not illegal to sell coal (in a pre-packed form) from a shop in a smoke control area. This anomaly in the law should surely be changed.

HOUSING

The demolition of properties in the Grove Street/Southfield Street Area continued during the year. The Official Representation for the Howarth Street/Netherfield Road Clearance Area was accepted in June. This area includes 83 houses and is the second stage in a programme to remove four areas of poor housing by clearance.

RODENT CONTROL

An interesting fact emerged when the test baiting of sewers was carried out in May. Wherever the bait in the sewers had been eaten, the manhole was in close proximity to an area where persons regularly threw bread, etc., onto the street pavings to feed wild birds and feral pigeons. Efforts continued during the year to dissuade residents from throwing food out for birds but to date these efforts have met with limited success.

PUBLIC HEALTH INSPECTIONS

Complaints from the general public kept the Public Health Inspectors busy during the year. Many of these complaints are of a trivial nature and can be dealt with quickly. However, many complaints are received regarding blocked or leaking drainage and these complaints can be extremely time consuming. During the year 678 drains were subjected to colour tests and 323 of these tests were found to be positive. Waste water closets continue to cause problems and perhaps a scheme for the compulsory conversion of these obsolete closets can be planned in the near future.

I would like to thank the Chairman and Members of the Health Committee for the interest they have shown in the work of the Department.

I have the honour to be, Ladies and Gentlemen,

Your obedient Servant,

F. GRINDROD

Senior Public Health Inspector.

SECTION D

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

The water undertaking for the Borough is the North Calder Water Board which also supplies neighbouring Authorities. Total storage capacity of the Board is 541.7 m. gallons and the moorland gathering grounds cover 5,000 acres. Other sources of supply include springs and two bore holes having a potential yield of 1,650,000 gallons per day.

All raw water is filtered and chlorinated before going into supply. The water supplied has been satisfactory in both quantity and quality throughout the year and has shown no tendency to plumbo-solvency. The natural fluoride content varies from 0.08 to 0.16 p.p. million.

The following table shows the results of water samples taken during the year

	Bacteriological Examination			Chemical Examination		
	No. of samples	Satisfactory	Unsatisfactory	No. of samples	Satisfactory	Unsatisfactory
Raw Water	48	48	-	1	1	-
Treated Water	152	145	7	5	5	-

21 new dwellings were connected to the mains supply during the year when 344 yards of new mains were laid. Extensions of water mains to existing dwellings totalled 348 yards.

DRAINAGE AND SEWERAGE

The whole of the urban part of the Borough is drained and sewered to the sewage works at Lindred, which are under the control of the Borough Engineer and Surveyor. The daily dry weather flow averages 1.75 m. gallons giving 54.6 gallons of sewage per head of population per day.

Treatment of the sewage is by screening, settlement, percolating filters and humus tanks with part of the final effluent being re-circulated in dry weather. The final effluent is discharged either into Pendle Water, or, by arrangement with the Central Electricity Authority, may be pumped into the Leeds and Liverpool Canal in times of drought to serve as compensation water to replace that withdrawn from the Canal at Huncoat Electricity Generating Station. Liquid sludge is pumped onto agricultural land in winter months and is made available after digestion for horticultural use in summer months.

27 new dwellings were connected to the sewerage system during the year and 2 existing dwellings were connected to septic tank installations.

RIVERS AND STREAMS

The Lancashire Rivers Board is the authority responsible for water courses within the Borough.

SANITARY ACCOMMODATION

No. of privy middens	-
No. of closets attached to these middens	-
No. of pail closets	9
No. of moveable dustbins, etc.	14,450
No. of waste water closets	1,149
No. of fresh water closets	11,278

Conversions during 1972:-

No. of privy closets to fresh water closets	-
No. of privy closets to pails	3
No. of pail closets to fresh water closets	2
No. of waste water closets to fresh water closets	87
No. of premises at which moveable dustbins, etc. were substituted for fixed receptacles	3

The above figures relate to sanitary accommodation at all premises at the end of the year.

There were 12 dwellings not on the water carriage system.

PUBLIC CLEANSING

A separate Department under the control of the Director of Cleansing, the Cleansing Department is responsible for the collection and disposal of household and trade refuse, street cleaning, cleansing of and repairs to drainage and the maintenance of public conveniences. In addition, the Cleansing Department provide and maintain the Council's transport fleet and have provided a vehicle testing station approved by the Ministry of Transport.

The aim of the Department is to maintain a weekly collection of household refuse. Trade refuse is collected weekly and putrescible refuse is collected twice weekly, both collections being charged for. Traders may also deliver refuse direct to the Tip, being charged 10p. per ton for this facility. All refuse is disposed of by controlled tipping at Waidshouse Quarry, together with the refuse from Brierfield and Padiham Urban Districts, and part of Burnley Rural District.

Unwanted household effects and furniture are removed free of charge and this service is widely used.

PUBLIC HEALTH INSPECTIONS

The following is a summary of the 10,279 inspections and visits made by the Public Health Inspectors and Technical Assistant during the year

Animal Boarding Establishments	3
Bakehouses	49
Boiler Plants Inspected	24
Butchers' Shops	57
Closet Conversions - W.W.C./F.W.C.	130
Closets, Water	35
Closets, Waste Water	126
Complaints Received	2351
Complaints Confirmed	463
Drains Inspected	26
Drains Smoke Test	3
Drains Olfactory Test	20
Drains Colour Test	678
Drains Defective	323

Educational Talks Given	11
Fish Frying Establishments	17
Food (Preserved) Manufacturers	14
Food Catering Establishments	161
Food Shops and Warehouses	158
Factories - Power	39
Factories - Non-power	5
Fishmongers' Shops	2
Hawkers' Vans	3
Houses Defective	647
Houses Detailed Inspection	37
Houses Overcrowding	5
Ice-Cream Manufacturers	1
Ice-Cream Retailers	11
Infectious/Notifiable Diseases	49
Insect Infestations	144
Interviews	155
Markets	2
Meat and Food Inspections	265
Meat and Food Condemnations	242
Meetings With Owners	162
Meetings With Contractors	100
Miscellaneous	667
Notices Served:	
Verbal	21
Informal	219
Statutory P.H.A.	139
Offensive Accumulations	213
Offices, Shops and Railway Premises Act:	
Offices -	
Inspections	3
Visits	32
Retail Shops -	
Inspections	19
Visits	34
Wholesale Shops and Warehouses -	
Inspections	-
Visits	24
Catering Establishments and Canteens -	
Inspections	6
Visits	75
Fuel Storage Depots -	
Inspections	-
Visits	-
Pet Stores	13
Public Houses	22
Rats and Mice	392
Samples Submitted:	
Ice Cream	43
Milk	120
Other Foods (Pet)	4
Water, etc.	204
Faeces	28
Slaughterhouses	89
Schools	14
Smoke Control Areas -	
Inspections	992
Visits	875
Interviews	258
Smoke Observations	12
Watercourses	9
Water supply	51

Nuisances recorded and abated

Number of complaints received	329
Number of informal notices served	219
Number of statutory notices served	139
Number of nuisances discovered	600
Number of nuisances abated	471

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

The following premises were registered under the above Act at the end of 1972

<u>Offices</u>	<u>Retail Shops</u>	<u>Wholesale Shops and Warehouses</u>	<u>Catering Establishments</u>	<u>Fuel Storage Depots</u>
68	160	14	29	-

of these the following were inspected

1	15	-	4	-
---	----	---	---	---

213 visits were made for all purposes, and contraventions of the Act involved the service of 3 Notices.

No prosecutions were found necessary during the year and there were no applications for exemption in respect of overcrowding, temperature, sanitary conveniences, or running water.

ATMOSPHERIC POLLUTION

Adaptations of appliances in the last smoke control area continued during the year, the area coming into operation on 1st July, 1973.

Smoke Control Area No.	Date Confirmed	Date Effective	Industrial Premises	Commercial Premises	Private Dwellings	L.A. Dwellings	Other Premises	Total Premises	Acreage
1	25. 3.66	1.10.66	-	1	200	382	8	591	147
2	25.10.66	1. 9.67	13	16	1,176	90	5	1,300	123
3	17.10.67	1. 9.68	34	180	1,606	139	42	2,001	149
4	23.12.68	1. 9.69	73	339	2,165	59	49	2,685	266
5	28.11.69	1. 4.71	19	9	2,100	25	16	2,169	506
6	23.10.70	1. 7.72	23	34	2,972	120	21	3,170	411
7	9.11.71	1. 7.73	4	6	561	839	2	1,412	454
1-7 inc.	Totals		166	585	10,780	1,654	143	13,328	2,056

Legal Proceedings

Legal proceedings were instituted against a householder who was charged on two counts of burning coal on the firegrate of a house in a smoke control area. The householder was fined £5.00 on each charge plus £5.00 advocate's costs.

SWIMMING BATHS AND POOLS

The Corporation own the three public swimming baths and pools in the district. The open air pool at Marsden Park is surrounded by lawns and has adjacent cafe facilities. The Public Baths in Bradley Road contain two plunge baths, Sauna baths, Slipper baths and cafe facilities.

Continuous filtration of towns water is used in all pools, giving a six-hourly cycle at the open air pool, a three-hourly cycle at the Public Baths for the large pool, with a one-hourly cycle for the small pool.

117 samples of swimming bath water were submitted for bacteriological examination when all samples returned a satisfactory result.

DISINFESTATION

The aim of the Department is to give a comprehensive service for the destruction of all insects and parasites. This service is free to householders.

RODENT CONTROL

One full-time rodent operator is employed by the Department and the following table shows the work carried out by him during the year

	Type of Property	
	Non-agricultural	Agricultural
No. of properties in district	16,018	73
No. of properties inspected	501	1
Total inspections carried out	1,126	3
No. of properties which were found to be infested by:		
Rats	130	1
Mice	371	-
No. of infested properties treated	501	1

Mice continue to be a problem, bringing in an average of seven complaints per week. Many of these complaints are repeats of previous ones where there has been little or no success in persuading the mice to eat the poison. Nothing gives an operative more pleasure than to revisit a complaint and pick up the bodies he has killed.

Treatment for Rats in Sewers

In May all the sewer system below Leeds/Manchester Road was baited and on re-inspection the manholes showing infestation were poison treated with Fluoracetamide. The success of the treatment was to be seen at the sewage works after a period of heavy rain, when the bodies of many rats were collected on the screens.

SCHOOLS

Conditions at the 25 schools remained satisfactory.

OFFENSIVE TRADES

There are no offensive trades established within the district.

FACTORIES ACT, 1961

1. Inspections for the purposes of provisions as to health.

Premises	Number of Premises	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1,2,3,4, and 6 are to be enforced by Local Authorities...	9	5	-	-
(ii) Factories not included in (i) in which section 7 is enforced by the Local Authority	161	39	4	-
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	-	-	-	-
Totals	170	44	4	-

2. Cases in which defects were found.

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred To H. M. Inspector	By H. M. Inspector	
Want of cleanliness (S.1)	-	-	-	-	-
Overcrowding (S.2)	-	-	-	-	-
Unreasonable temperature (S.3)	-	-	-	-	-
Inadequate ventilation (S.4) .	-	-	-	-	-
Ineffective drainage of floors (S.6)	-	-	-	-	-
Sanitary conveniences (S.7) -					
(a) Insufficient	1	-	-	-	-
(b) Unsuitable or defective ..	3	-	-	1	-
(c) Not separate for sexes ...	-	-	-	-	-
Other offences against the Act (not including offences relating to out-work)	-	-	-	-	-
Totals	4	-	-	1	-

No notifications of outworkers were received during the year.

COMMON LODGING HOUSES AND HOUSES LET IN LODGINGS

There are no such premises within the district.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Two premises are registered under the Act.

CHIEF SANITARY REQUIREMENTS OF THE DISTRICT

The conversion of all the remaining waste water closets still remains the chief sanitary requirement of the district.

S E C T I O N E

H O U S I N G

HOUSING

	<u>Houses</u>	<u>Flats</u>
Number of new dwellings erected during the year:-		
(i) By the Local Authority	-	-
(ii) By other Local Authorities	-	-
(iii) By other bodies or persons	27	-
Total number of dwellings owned by any local authority existing in district at end of year	1835	
Inspections of dwellings during the year:-		
(i) (a) Total number of dwellings inspected formally or informally for housing defects (under Public Health or Housing Acts)	224	
(b) Number of inspections, formal or informal, made for the purpose	584	
(c) Number of dwellings in (a) above found to be not in all respects reasonably fit for human habitation but capable of being rendered fit	187	
(ii) Total number of dwellings existing at end of year which were unfit for human habitation and not capable at reasonable expense of being rendered fit	99	

Houses Demolished:

<u>In or adjoining Clearance Areas:-</u>	<u>Houses</u> <u>Demolished</u>	<u>Displaced during year</u>	
		<u>Persons</u>	<u>Families</u>
(1) Houses unfit for human habitation	44)		
(2) Houses included by reason of bad arrangements, etc.	-)	53	19
(3) Houses on land acquired under S.43(2) Housing Act, 1957	-)		

Not in or adjoining Clearance Areas:-

(4) As a result of formal or informal procedure under S.16 or S.17(1) Housing Act, 1957	-)		
(5) Local Authority owned houses certified unfit by the M.O.H. ...	-)	-	-
(6) Houses unfit for human habitation where action has been taken under local Acts	-)		
(7) Unfit houses included in Unfitness Orders	-)		

<u>Unfit Houses Closed:-</u>	<u>Number</u>	<u>Displaced during year</u>	
		<u>Persons</u>	<u>Families</u>
(1) Under S.16(4), S.17(1) and S.35(1), Housing Act, 1957, and S.26 Housing Act, 1961	-		
(2) Under S.17(3) and S.26 Housing Act, 1957	-	-	-
(3) Parts of buildings closed under S.18, Housing Act, 1957	-		

<u>Unfit Houses made fit:-</u>	<u>Number</u>
(1) By owner after informal action by local authority	-
(2) After formal notice under S.9 and S.16, Housing Act, 1957:	
(a) By owner	-
(b) By local authority	-
(3) After formal notice under Public Health Acts ...	-
(4) After modification or revocation of a clearance order under S.24, Housing Act, 1961	-
(5) After determination of a demolition order under S.24, Housing Act, 1957	-

<u>Unfit Houses in Temporary Use</u> <u>(Housing Act, 1957):-</u>	<u>No. of</u> <u>Houses</u> <u>(1)</u>	<u>No. of separate</u> <u>dwelling contained</u> <u>in column (1)</u> <u>(2)</u>
--	--	---

Position at end of year:-

(1) Retained for temporary accommodation		
(a) Under Section 48	-	-
(b) Under Section 17(2)	-	-
(c) Under Section 46	-	-
(2) Licensed for temporary occupation under Ss.34 or 53	-	-

<u>Purchase of Houses by Agreement:-</u>	<u>No. of</u> <u>Houses</u> <u>(1)</u>	<u>No. of occupants</u> <u>of houses in</u> <u>column (1)</u> <u>(2)</u>
--	--	---

Houses in clearance areas other than
those included in confirmed clearance
orders or compulsory purchase orders,
purchased during the year

-

-

Housing Act, 1969 - Improvement Grants, etc:-No. of dwellinghouses or other
Buildings affected in schemes of -

Action during year:-

	<u>Owner Occupied</u>	<u>Others</u>	<u>Local Authority</u>
(i) Submitted by private individuals to local authority	394	128	-
(ii) Approved by local authority ...	226	103	-
(iii) Submitted by local authority to Ministry	1	-	165
(iv) Finally approved by Ministry ..	1	-	165
(v) Work completed	48	27	77
(vi) Additional separate dwellings included in (v) above	-	-	-
(vii) Any other action taken under the Acts			

Leeds Road/Bradley Hall Road
Improvement Area commenced
during 1971 is partly completed.

Housing Acts, 1961, 1964 and 1969 -
Standard Grants:-No. of dwellings or other buildings
affected

Action during year:-

	<u>Owner Occupied</u>	<u>Others</u>
(a) Applications submitted to local authority for improvement to:-		
(i) Full standard	207	56
(ii) Reduced standard	-	-
(b) Total applications approved by local authority for improvement to:-		
(i) Full standard	206	53
(ii) Reduced standard	-	-
(c) Work completed	224	33
(d) Particulars of any action taken relating to compulsory improvements of dwellings..		None

Housing Act, 1969 - Special Grants:-No. of dwellings or other buildings
affected

Action during year:-

	<u>Owner Occupied</u>	<u>Others</u>
(i) Applications submitted to local authority for special grant	-	-
(ii) Applications approved by local authority for improvement by special grant	-	-
(iii) Work completed	-	-

Lancashire County Council (General Powers) Act, 1968, S.17

Particulars of any action during year

None

HOUSING CONDITIONS

404 houses were unoccupied at the year end, a decrease of 43 on the previous year.

77 Council houses were improved during the year, and as can be seen from the preceeding table, Improvement Grants have had a wide appeal to owner-occupiers.

Demolition of 54 houses in the Grove Street/Southfield Street Clearance Area was completed, the remaining 16 houses to be demolished early in 1973.

The Official Representation for 83 houses in the Howarth Street/Netherfield Road Clearance Area was accepted in June. This is the second stage of a programme of removing four areas of poor housing by clearance.

The following table shows the requirements of applicants for Council dwellings:-

	<u>At commencement of</u> <u>1972</u>	<u>At end of</u> <u>1972</u>
Number of applications	814	660
<u>Type of house required</u>		
(a) Two bedroomed type	407	184
(b) Three bedroomed type	108	141
(c) Four bedroomed type	74	40
(d) Old Folks' bungalows	150	196
(e) Flats	37	49
(f) Others	38	50

OVERCROWDING

No cases of statutory overcrowding were encountered during the year.

SECTION F

INSPECTION AND SUPERVISION

OF FOOD

MILK SUPPLY

In addition to the samples shown below, 45 samples of milk were taken by officers of the Lancashire County Council for chemical analysis. 42 proved satisfactory.

Total no. of samples submitted for Biological examination 120	Results		
	Postive	Negative	No result
(i) Tuberculosis	-	33	2
(ii) Brucellosis - Ring Test	25	86	6
(iii) Brucellosis - Culture Test ..	27	5	-
(iv) Brucellosis - Biological Test	18	14	2

Samples submitted for Statutory Tests	No. of samples	Results		
		Satisfactory	Unsatisfactory	Void
Raw Milk:-				
(i) Methylene Blue Test	19	14	5	-
Heat Treated Milk:-				
(i) Methylene Blue Test)	2	2	-	-
(ii) Phosphatase Test)		2	-	-
(iii) Turbidity Test	1	1	-	-

FOOD INSPECTION

Every year brings a crop of complaints regarding food and 1972 was no exception. During the year 24 such complaints were received, ranging from mouldy food to food containing foreign bodies. The high number of complaints indicate that members of the public are becoming more food hygiene conscious. This is to be encouraged.

Although some complaints are of a trivial nature, each one is investigated and the appropriate action taken.

Routine inspection of foodstuffs showed the following commodities to be unfit for human consumption. All were surrendered voluntarily.

<u>Type of Food</u>	<u>Containers</u>	<u>Tons</u>	<u>Cwts.</u>	<u>Qtrs.</u>	<u>Lbs.</u>	<u>Ozs.</u>
Fish	1278		4	3	16	8
Fruit	78			3	1	11 $\frac{1}{4}$
Meat	921		14	1	27	9
Vegetables	1987		9	3	21	13
Miscellaneous	877		5	0	12	4 $\frac{1}{2}$
	+ 1 gallon (Sauce)					
Totals	5142	1	15	0	23	13 $\frac{3}{4}$

MEAT INSPECTION

The private slaughterhouse continued in operation during 1972, when all 2,452 animals slaughtered were inspected. Throughput again decreased following a pattern which has occurred since 1969.

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	153	12	1	2051	235
Number inspected	153	12	1	2051	235
ALL DISEASES EXCEPT TUBERCULOSIS AND CYSTICERCI:					
Whole carcasses condemned	-	-	-	2	-
Carcasses of which some part or organ was condemned	51	10	-	586	28
Percentage of number inspected affected with diseases other than Tuberculosis and Cysticerci	33.3%	83.3%	-	28.6%	11.9%
TUBERCULOSIS ONLY:					
Whole carcasses condemned	-	-	-	-	-
Carcasses of which some part or organ was condemned	-	-	-	-	-
Percentage of number inspected affected with Tuberculosis	-	-	-	-	-
<u>CYSTICERCI:</u>					
Carcasses of which some part or organ was condemned	1	-	-	-	-
Carcasses submitted to treatment by refrigeration	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-

Meat and offal found to be diseased or parasitic weighed 18 cwts. 2 qtrs. 19 lbs., a reduction on the previous year's figure.

FOOD HYGIENE (GENERAL) REGULATIONS, 1970

Excluding the private slaughterhouse 475 inspections were made to premises preparing and/or selling food. The following notices were served and complied with.

	<u>Served</u>	<u>Complied With</u>
Informal	35	11

The work carried out in respect of these notices was:-

Protection of uncovered food; painting and decoration of food rooms;
repair of structural defects.

Analysis of food premises in district at year end:-

<u>Type of Business</u>	<u>Number</u>
General grocers and provision dealers	108
Greengrocers and fruiterers (including those selling wet fish, game, etc.)	21
Fishmongers (including those selling poultry, game, etc.)	5
Meat Shops (butchers, purveyors of cooked and preserved meats, tripe, etc.)	41
Bakers and/or confectioners	49
Fried Fish Shops	18
Shops selling mainly sugar confectionery, minerals, ice-cream, etc.	33
Licensed premises, clubs, canteens, restaurants, cafes, snack-bars, and similar catering establishments	72
Others	7

FOOD AND DRUGS ACT, 1955Registered Premises

<u>Type of Business</u>	<u>No. registered</u>	<u>No. of inspections during year</u>
	1	
Ice-Cream Manufacturer	1	1
Ice-Cream Storage and Sale ...	166	18
Preparation and manufacture of meat products	78	14
	<hr/>	<hr/>
Totals	245	33
	<hr/>	<hr/>

FOOD AND DRUGS ACT, 1955

I am indebted to Dr. C. H. T. Wade, County Medical Officer of Health, for the following particulars of samples obtained under the provisions of the Act by officers of the Lancashire County Council.

A total of 91 samples was obtained comprising 45 milks (1 of which was Channel Islands Milk) and 46 others as follows:-

1 Portion of Beefburgers	1 Lemon Cheese
1 Opened tin of Baby Food	1 Milk Substitute, canned
2 Dubonnet	1 Pink Salmon, canned
1 Ground Almonds	1 Cooked Pressed Shoulder, canned
1 Currants	1 Wild Duck Consomme with Sherry, canned
2 Tea	1 Fillets of Anchovies, canned
1 Salt	1 Full Fat Soft Cheese
1 Syrup	3 Ice Lolly Mix
1 Liquid Paraffin	1 Wholemeal Bread
1 Glaubers Salt	1 Chilli Sauce
1 Boric Powders	1 Medium Red Salmon, canned
1 Ice Cream	1 Creamed Rice Milk Pudding, canned
1 Sandwich Cake	1 Blackberries, canned
1 Prawn & Rice Curry	2 Soup, canned
2 Diabetic Nut Milk Chocolate	1 Almond Tart
1 Diabetic Milk Chocolate	1 Jam Turnover
1 Diabetic Plain Chocolate	1 Sugar
1 Low Calorie Soup, dry	1 Dried Fruit
1 French Unsalted Butter	1 Dried Bananas
1 Vegetable Juice	1 Low Calorie Salad Dressing

I give below details of those samples on which the County Analyst gave adverse reports:-

<u>Sample</u>	<u>Result of Analysis</u>	<u>Action Taken</u>
Portion of Beefburger	Contained a fragment of hide bearing bovine hairs (Probably from the lip) which weighed 0.27 gm.	Complainant informed. Manufacturer cautioned.
Informal Milk	Not properly pasteurised.	Prosecution. Fined £5. Costs £8.
Informal Milk	Not properly pasteurised.	Prosecution. Fined £5. Costs £8.
Opened tin of Baby Food	The matt of mould had a blotted weight of 3 gms. and consisted almost entirely of a Penicillium species - caused by a perforation in the side of the can approximately 5 mm. long, probably made with a carton opening knife.	Complainant informed. Vendor cautioned about carton opening procedures.
Dubonnet	Sample consisted of diluted Dubonnet in which a secondary growth of yeasts was active.	Complainant and Club manager interviewed.
Sandwich Cake	Contained a cooked Ptinus tectus beetle measuring 3.5 mms. in length and weighing 2 mgms.	Bakers cautioned. Complainant informed.
Low Calorie Soup, Dry	Label calculated to indicate that the food is an aid to slimming without a statement that it can only be effective as part of a diet in which the total intake of calories is controlled (Labelling of Food Regulations, 1970 Regulation 24 (1) (b) (i) (ac).	Manufacturer communicated with.
Ice Lolly Mix	Contained no fruit juice yet labelled "Boy I'm Juicy" (also the word saccharin wrongly spelled in list of ingredients).	Manufacturer advised to modify label at next printing.
Ice Lolly Mix	Contained no fruit juice yet labelled "Boy I'm Juicy".	Manufacturer advised to modify label at next printing.
Wholemeal Bread	Contained the greater part of a moth measuring 9 mms. in length and weighing 8 mgms.	Prosecution. Fined £50. Costs £18.
Almond Tart) Jam Turnover)	Both contained loose fresh mouse droppings the weight being associated with the Almond Tart being 4 mgms. and that associated with the Jam Turnover being 3 mgms.	Prosecution. Case Dismissed.
Formal Milk	Freezing Point indicates 0.3% extraneous water.	Dairy cautioned.

ICE CREAM

Forty three samples of locally manufactured ice-cream were taken which returned thirty three grade 1, five grade 2, two grade 3, and three grade 4 results.

EGG PASTEURISATION PLANTS

There are no such premises in the district, and no samples of liquid egg were obtained during the year.

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